Agility™3

Picture Perfect Wireless Security

Engineer Manual

RISCO GROUP

Creating Security Solutions. With Care.

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Compliance Statement

Hereby, RISCO Group declares that the Agility series of central units and accessories are designed to comply with:

- EN50131-1, EN50131-3 Grade 2
- EN50130-5 Environmental class II
- EN50131-6 Type A
- EN50136-1-1 and EN50136-2-1:

  ATS5 for IP/GPRS; ATS2 for PSTN
  Signaling Security: - Substitution security S2
  - Information security I3
  For more information refer to App. E
- UK: DD243:2004, PD 6662:2004, ACPO (Police)
- USA: FCC: Part 15B, FCC part 68
- CANADA: CS-03, DC-01

April 2013

Table of Contents

CHAPTER 1 INTRODUCTION 1

ARCHITECTURE 2
MAIN FEATURES 3
AGILITY 3 COMMUNICATION METHODS 4
TECHNICAL SPECIFICATIONS 6

CHAPTER 2 INSTALLING THE AGILITY 3 7

AGILITY MAIN COMPONENTS 7
COMMUNICATION MODULES 8
MOUNTING THE AGILITY 10

CHAPTER 3 ENGINEER PROGRAMMING 22

PROGRAMMING METHODS 22
WIRELESS DEVICE ALLOCATION 25
DELETING WIRELESS ACCESSORIES 28
ESTABLISH COMMUNICATION TO THE CLOUD SERVER 29
PIR CAMERA 31

CHAPTER 4 ENGINEER MENUS 32

USING THE AGILITY KEYPAD KEYS 32
ACCESSING THE ENGINEER MENUS 32
PROGRAMMING MENU 33
TESTING MENU 108
ACTIVITIES MENU 113
FOLLOW ME MENU 114
CLOCK MENU 114
EVENT LOG MENU 115
MACRO MENU 115

APPENDIX A REPORT CODES 117

APPENDIX B ENGINEER EVENT LOG MESSAGES 122

APPENDIX C LIBRARY VOICE MESSAGES 127

APPENDIX D REMOTE FIRMWARE UPGRADE 129

APPENDIX E ENGINEER PROGRAMMING MAPS 134

APPENDIX F EN 50131 AND EN 50136 COMPLIANCE 143

APPENDIX G SIA CP-01 COMPLIANCE 146

Chapter 1 Introduction

Agility 3 — RISCO Group's Picture Perfect Wireless Security Solution elegantly combines state-of-the-art video verification and Smartphone apps with advanced wireless security and safety features. Alarm Receiving Centres can now identify false alarms, as video verification enables immediate confirmation of a crime-in-progress, prioritizing response, increasing efficiency, and giving you on-the-go control and monitoring of your home security.

Connecting the system to the RISCO Cloud server enables users to benefit from the smartphone app and the self-monitoring feature as well as the capability to control their alarm systems remotely. Additional advantages include the ability to set and unset the system via the app, and usage of the visual verification feature with the additional purchase of PIR camera detectors.

Featuring remote management, advanced communication, simple installation, and a comprehensive range of peripherals, Agility 3 with video verification is the ideal wireless solution for your residential and small commercial requirements.

Key Benefits:

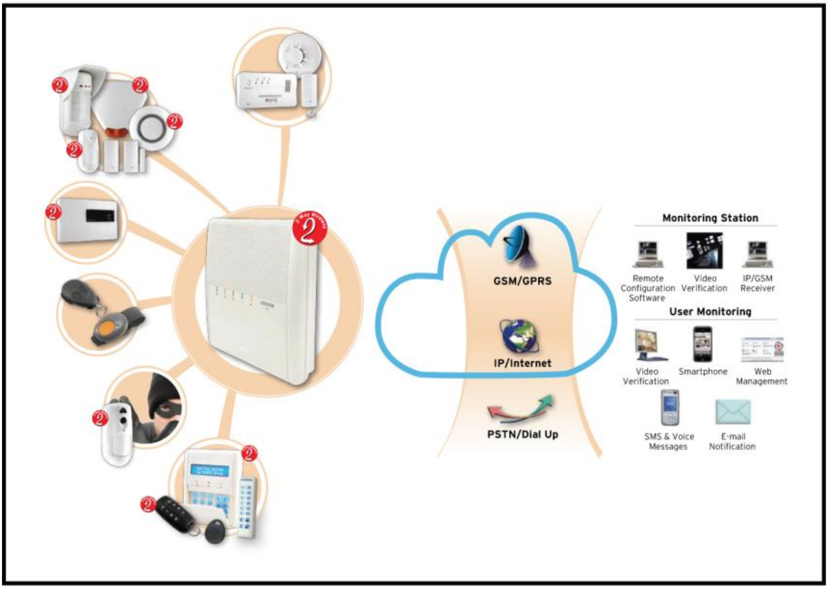
- Flexible Plug-in Communication
  - IP Module
  - GSM/GPRS Module
  - Fast PSTN Module
- Use any single module, any combination or all three modules for backup, or no communication for audible-only installations
- 2-Way Wireless Keypad with full programming capability
- 2-Way 8 button Wireless Remote Control with code protection, key-lock and system status request and indication
- 2-way voice communication
- Easy enrolling of Wireless Devices without a keypad
- Remote enrolling according to Device ID
- Combine one–way or two-way transmitters in the same system
- Flash memory for easy firmware upgrade
- Simple physical installation with wall brackets
- Separate main panel, can be hidden for higher security
- Program Transfer Module (PTM) for program backup
- Simplified menu logic (only menus of installed devices are displayed, only menus according to the authorization code are displayed)
- Full voice-guided menu for remote system operation

Key Features:

- 32 wireless zones
- 3 partitions
- Up to 3 bi-directional wireless keypads
- Up to 8 rolling code keyfobs
- Input/Output module:
  - 2-way wireless communication to the Agility
  - Local transformer with rechargeable backup batteries
  - 4 wired zones with selectable EOL resistance & 4 outputs (2x3A relay and 2x500mA)
  - Includes X-10 connection port
- 32 user codes + Grand Master Code
- 250 event log
- Uses regular Sealed Lead Acid Battery 6V 3.2Ah
- 16 Follow Me destinations
- 2-way listen-in and talk with VOX
- Dynamic language choice: Voice (minimum. 5), Text (minimum. 8)

Architecture

The following diagram provides an overview of the Agility 3's architecture and capabilities. Examine the figure before beginning with your Agility 3 installation to obtain an overall picture of the full extent of the Agility 3 system capabilities.



Main Features

The following table describes the main features of the Agility 3:

Detectors

- 32 Wireless zones:
- 4 Wired zones via optional Wireless I/O Expander
- Total zones: 36
- More than 25 zone types
- Full zone supervision
- 2-way and 1-way detectors combined on the same system
- Image capture and transmission via PIR camera

Alarm Receiving Centre

- Remote programming, diagnostics and communication test.
- Report to 3 ARC.
- Report through PSTN, GSM, GPRS or IP.
- ARC polling through IP network.
- Account number for each ARC.
- Flexible split reporting for backup.
- Call Save mode for non-urgent reports.
- Remote device enrollment.

Communication

- Flexible communication over GSM/GPRS, IP or PSTN.
- Backup capability between the communication methods.
- Supports major reporting formats.
- Add on module for each communication type.
- Cloud Support

Engineer Programming

- Local /Remote using configuration software
- Program transfer module.
- Full programming using bi-directional wireless keypad.
- Flexible device enrollment by serial ID serial number or by RF allocation.
- Keypad programming menu adjusted to existing hardware.

Bi-directional Keypad

- Fully Wireless
- LCD display
- S.O.S / Two way communication emergency key
- Double tamper protection (Box & Wall)
- 2-Way Wireless Slim Keypad Reader

User Operating Tools

- Bi-directional 8 button key fob
- Bi-directional Keypad
- 4 button keyfob
- Remote phone operation
- SMS
- Configuration software
- Web browser
- Smartphone App for self-monitoring

Codes:

- 1 engineer code
- 1 sub engineer code
- 1 grand master code
- 32 user codes
- 4 authority levels
- Optional 4 or 6 digits code definition

Follow Me:

- 16 follow me destinations
- Follow me can be defined as voice message, SMS, Email or to smartphones
- User control over the system
- Security code protection
- Unlimited email destinations from the Cloud server

Visual Verification

- Up to 8 eyeWave™ PIR cameras
- Smartphone/Web access
- False alarm reduction

Sirens

- Built-in sounder
- Fully wireless external and internal wireless sirens
- Up to 3 Wireless Sounders

Home Automation

- 4 outputs via wireless I/O expander
- 16 X-10 outputs via wireless I/O expander
- Outputs can follow system, partition, zone or user events
- Outputs can be scheduled, or activated automatically, or by user command (SMS, web browser, app or remote phone)

Voice capabilities

- 2-Way communication
- Remote phone operation
- Full voice menu guide
- System event messaging
- Local announcement messages
- Voice description for zones, partitions, etc.

Wireless Features

- Signal jamming indication
- Receiver calibration
- 868MHz radio frequency
- Programmable supervision time
- Tamper detection in transmitters
- Low battery detection in transmitters

False Alarm Reduction

- Swinger shutdown
- Zone crossing
- Report delay to ARC
- Abort alarm feature
- Soak test
- Final exit zone

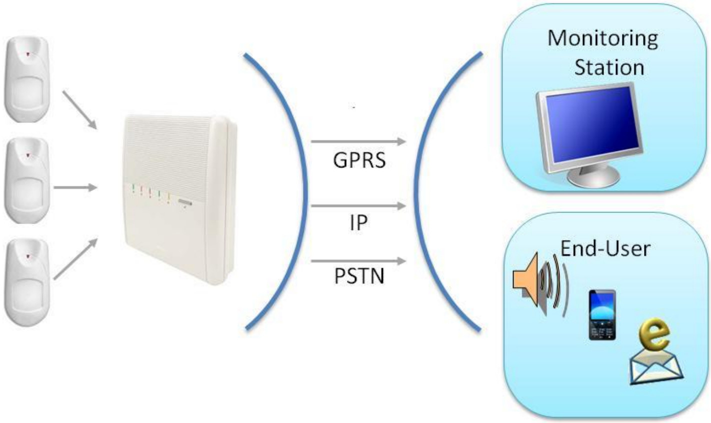
Agility 3 Communication Methods

Traditional

Agility can communicate information to Alarm Receiving Centres or to home owners (Follow Me) through various communication channels, depending on the physical communication module installed inside the panel. Communication can be established through PSTN or GSM/GPRS.

All methods can be used for:

- Reporting events to Alarm Receiving Centres
- Sending automatic notifications to the owner
- Remote system programming and maintenance
- Owner remote control



Cloud Communication

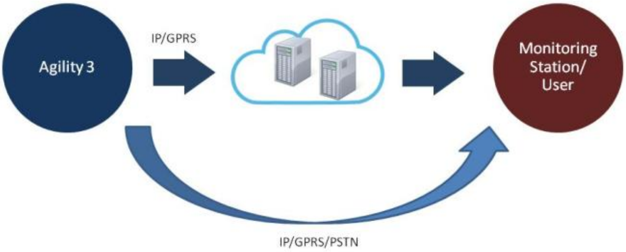
Agility 3 can be constantly connected to a dedicated application server using IP or GPRS. The cloud server handles all communication between the Agility, Alarm Receiving Centres and web users enabling monitoring and control to be performed via the web.

Cloud servers offer enhanced functionality:

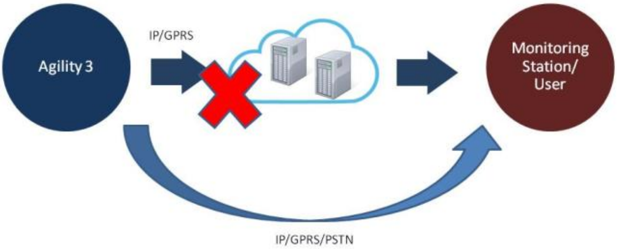
- Video verification for Alarm Receiving Centres and end-users
- Use of smartphone applications
- Use of web application to monitor and control the Agility from any location

Cloud communication can be defined as either of the following:

1. **Parallel communication**: Reports can be sent in parallel through the cloud or straight from Agility to Alarm Receiving Centres/user. Parallel report is defined by the type of installed communication module in the panel.



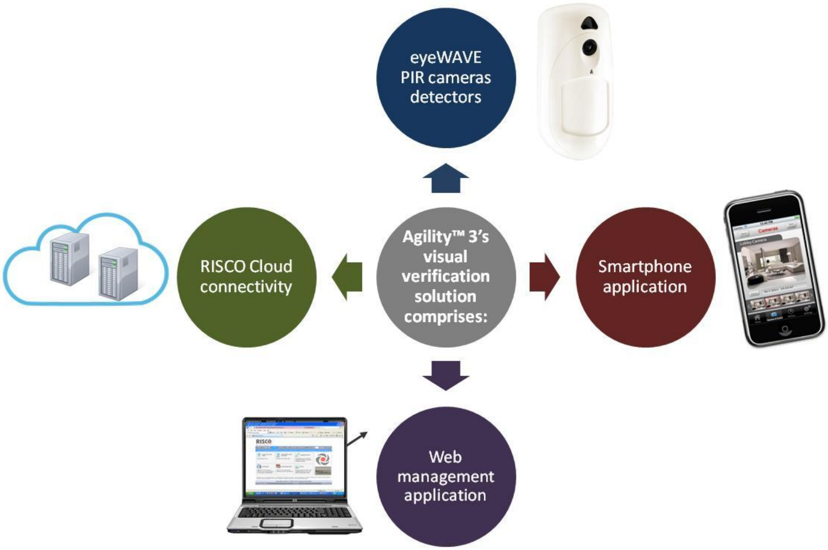
2. **Back up mode communication** :Cloud as main route. If the cloud fails, Agility moves to back up communication, depending on installed modules



Video Verification

Agility™ 3 supports visual verification with a self-monitoring smartphone app (also available via web browser) which enables homeowners to control their alarm systems remotely as well as view real-time images taken inside their premises with the **eyeWave™** wireless PIR camera detector which communicates with the **RISCO Cloud** server.

In the event of an alarm, the **PIR camera** is automatically activated and captures a sequence of images which it sends to users via RISCO's smartphone/web application. This capability enables users to view the images and confirm if there is a crime in progress. Alarm Receiving Centres can also benefit from this feature as the capability to ascertain whether there is a false alarm will save them valuable time and resources


eyeWAVE PIR cameras detectors
RISCO Cloud connectivity
Agility™ 3's visual verification solution comprises:
Smartphone application
Web management application

The following technical specifications are applicable for the Agility:

Electrical Characteristics	
Power	230VAC (-15%+10%), 50Hz, 50mA
Units consumptions	Main board: Typical 130mA GSM: Stand by 35mA, Communication 300mA Modem: Stand by 20mA, Communication 60mA IP Card: 90mA (Max)
Backup battery	Sealed Lead Acid Battery 6V 3.2Ah
Speaker Configuration	External in parallel with internal or additional external
Internal Sounder intensity	90 dBA @1m
Operating temperature	-10°C to 40°C (14°F to 131°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	
Dimension	268.5 mm x 219.5 mm x 64 mm (10.57 x 8.64 x 2.52 inch)
Weight (no battery)	1.31Kg (Full configuration) GSM module: 0.045 Kg
Wireless Characteristics	
Radio Immunity	According to EN 50130-4
Frequency	868.65 MHz

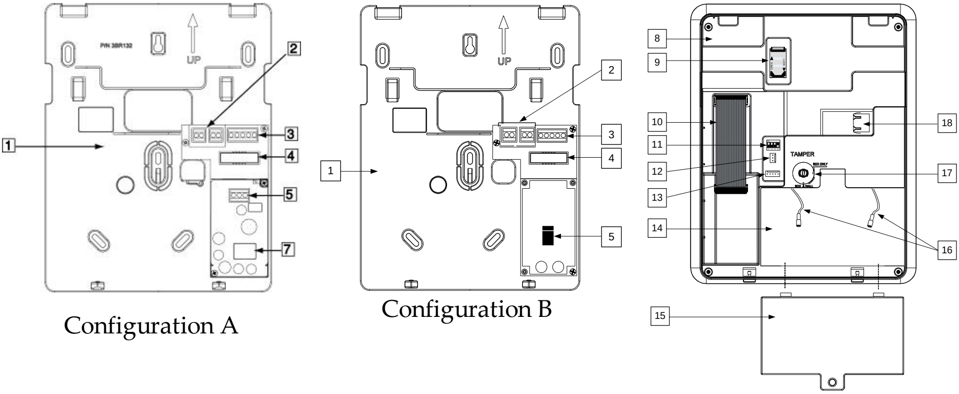
Chapter 2 Installing the Agility 3

This chapter covers the installation procedures of the **Agility**, as follows:

AGILITY MAIN COMPONENTS 7
COMMUNICATION MODULES 8
PSTN *8*
GSM/GPRS *9*
IP *10*
MOUNTING THE AGILITY 10
Choosing the mounting location *11*
Wall Mounting the Agility *11*
Connecting the Backup Battery *14*
Connecting the Agility to Power Supply - Configuration A *15*
Ground Connection *15*
Connecting the Agility to Power Supply - Configuration B *16*
Completing the Installation *17*
DIP switch setting *17*
Connecting a telephone line to the Agility *18*
Connecting a network cable to the Agility *19*
SIM Card Installation *20*
External Audio Unit *21*

Agility Main Components

The illustration below shows the internal components (when the mounting bracket is disassembled from the back panel).



Configuration A

Configuration B

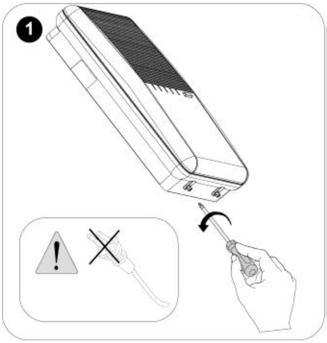
Figure 1: Agility Main Components

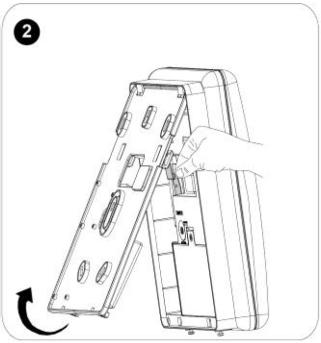
1. Installation Bracket
2. Telephone terminal blocks
3. Audio Unit terminals
4. Ribbon flat cable jack
5. AC connection terminals/DC Socket
6.
7. PSU
8. Back Panel
9. SIM Card socket
10. Ribbon flat cable
11. DIP Switches
12 PTM connector
13 RS 232 communication connector
14. Battery compartment
15. Battery compartment cover
16. Battery fling leads
17. Tamper switch
18. IP Card network connector

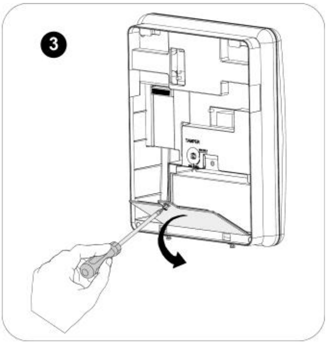
Communication Modules

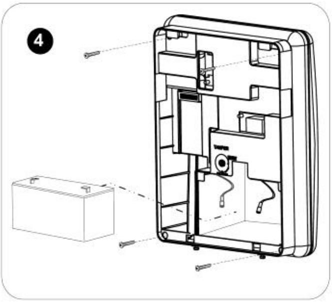
PSTN

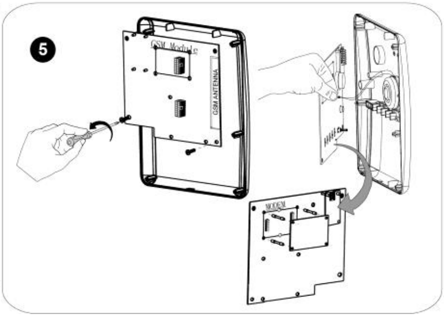
The Agility PSTN modem is an easy-to-add plug-in modem that enables an inexpensive PSTN connection, for use as either the primary communication channel or as a failure back-up channel to the cloud connection, or GSM/GPRS or IP communication. The PSTN modem enables the panel to communicate with a central station (ARC) using common format protocols (SIA, Contact ID).











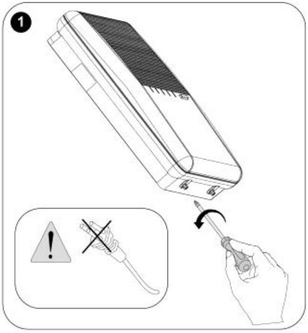
GSM/GPRS

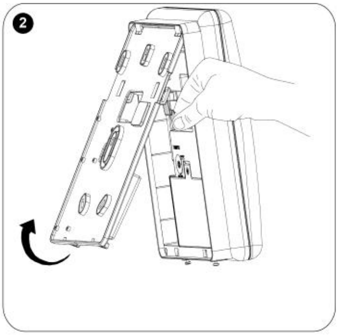
The Agility™ GSM/GPRS module is an easy-to-add plug-in module that enables the system to communicate over GPRS/GSM networks for reporting, control and programming. It can be used as the primary communication channel or as a failure back up for the IP or PSTN communications.

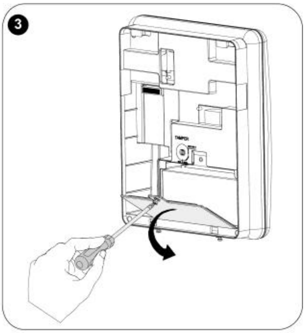
Reporting events to Alarm Receiving Centres can be done over voice, SMS or GPRS using the RISCO IP Receiver. Events can be reported in SIA/IP, SIA and Contact ID monitoring protocols.

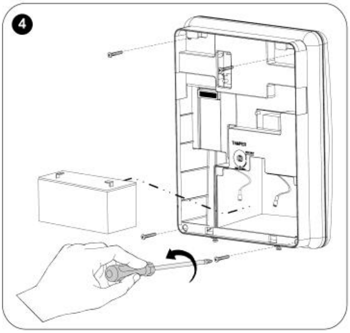
Using GPRS connectivity, the Agility™ system can be constantly connected to the RISCO Cloud enabling visual verification and control using the smartphone application, DTMF, or SMS. In addition, users can enjoy peace of mind by receiving real time messages from the RISCO Cloud as well as SMS, voice message and email alerts.

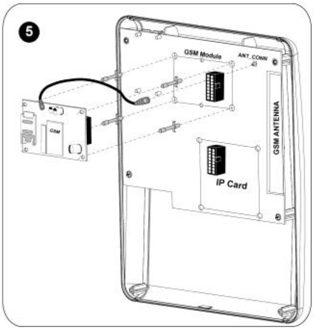
The GSM/GPRS module also supports two- way voice communication which has been found to be beneficial for elderly care, allowing two way communication with users in times of emergency





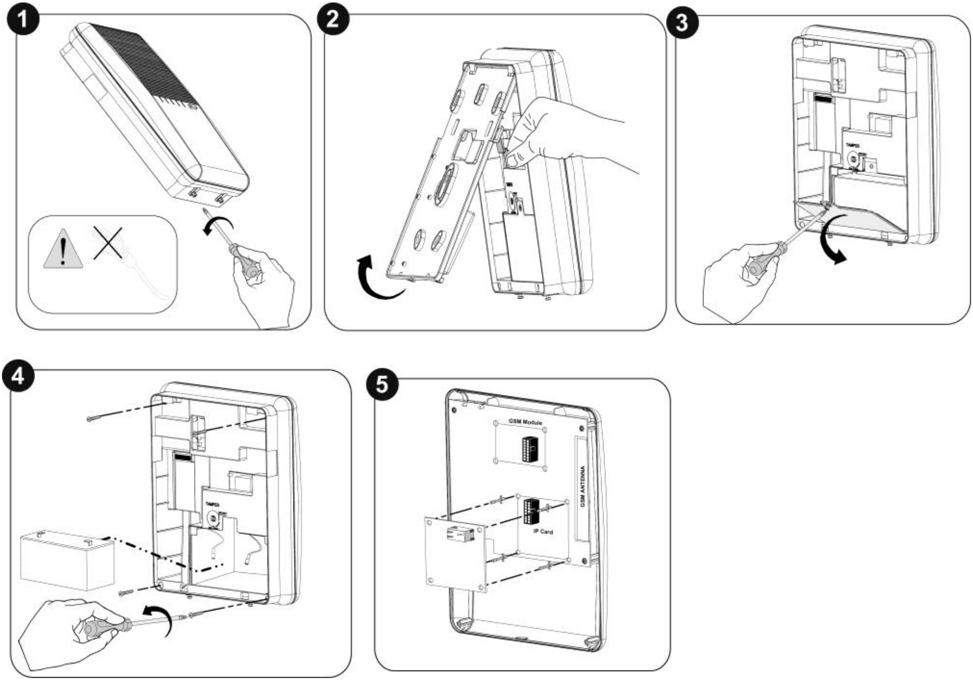






IP

The Agility IP module is an easy-to-add plug-in module that enables system communication over a TCP/IP network. The plug-in IP Module can be used as the primary communication channel or as the failure back-up channel to GSM/GPRS or PSTN networks. Using the IP module, the Agility system can be connected to the RISCO Cloud server, allowing both real time event reporting and end user RISCO advanced smart phone applications. The IP module employs common format protocols (SIA, Contact ID) to send alerts to Alarm Receiving Centres using the RISCO IP Receiver. In addition, the Agility can send events in SIA IP protocol over TCP/IP to Alarm Receiving Centres that have standard IP receivers. For end users, the IP module enables sending email alerts and system status information. The IP module enables remote programming of the panel using the configuration software over an IP/PSTN line.



Mounting the Agility

IMPORTANT: As the Agility has no user-replaceable parts (for instance: power cord, fuse, battery,), only certified engineers are allowed to replace faulty parts.

Choosing the mounting location

Before you mount the **Agility**, study the premises carefully in order to choose the exact location of the unit for the best possible coverage and yet easily accessible to prospective users of the alarm system.

The mounting location of the **Agility** should be:

- **CENTRALLY LOCATED AMONG THE TRANSMITTERS.**
- **NEAR AN UNINTERRUPTED AC OUTLET.**
- **NEAR A TELEPHONE (IP) OUTLET.**
- **IN AN AREA WITH A GOOD GSM RECEPTION LEVEL**
- **FAR FROM SOURCES OF INTERFERENCE, SUCH AS:**
  - ❖ Direct heat
  - ❖ Electrical noise such as computers, televisions etc.
  - ❖ Large metal objects, which may shield the antenna.
- **IN A PLACE WHERE THE ALARM CAN BE HEARD DURING PART SETTING MODE.**

Wall Mounting the Agility

The **Agility** is comprised of two sub-assemblies:

- **MOUNTING BRACKET**
- **MAIN UNIT WHICH IN ITS TURN IS COMPRISED OF:**
  - ❖ Front panel (not disassembled on a regular installation procedure)
  - ❖ Back panel

The mounting bracket is mounted on the wall, using the supplied proper hardware, as described below:

To mount the Agility on the Wall:

1. Separate the Mounting bracket as follows:

a. Release the Mounting bracket captive locking screws (1, Figure 2) located at the bottom of the unit, by turning screws counterclockwise.

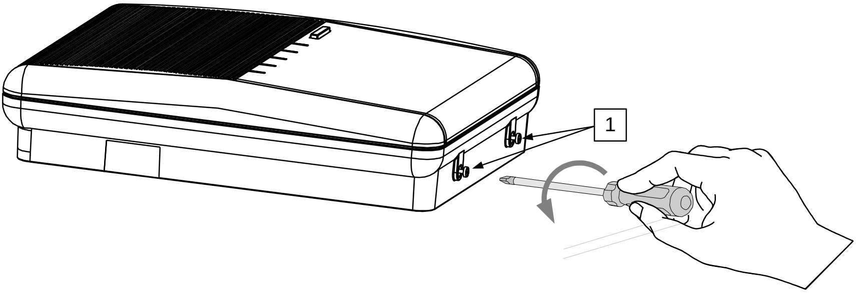


Figure 2: Mounting Bracket screws

b. Gently, pull up the mounting bracket to a 45° angle and slide it down to release the mounting bracket (2, Figure 3) from the two locking tabs (1, Figure 3) at the top of the unit.

Note: Do not open the Mounting bracket to a larger angle in order not to break the two top tabs and not to tear up the ribbon flat cable connecting the power supply unit to the front panel (PCB).

c. Disconnect the ribbon flat cable (3) from the power supply unit while leaving it connected to the Main panel.

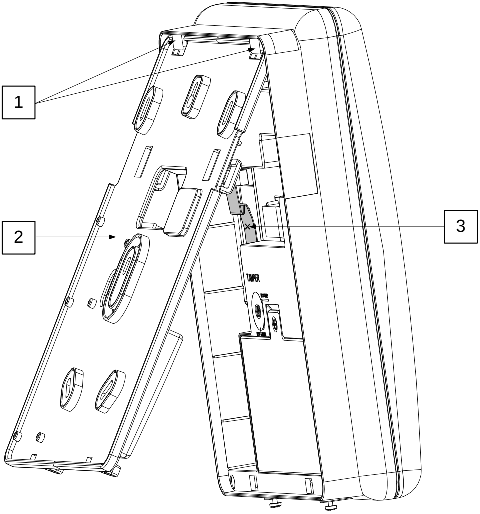


Figure 3: Mounting Bracket removal

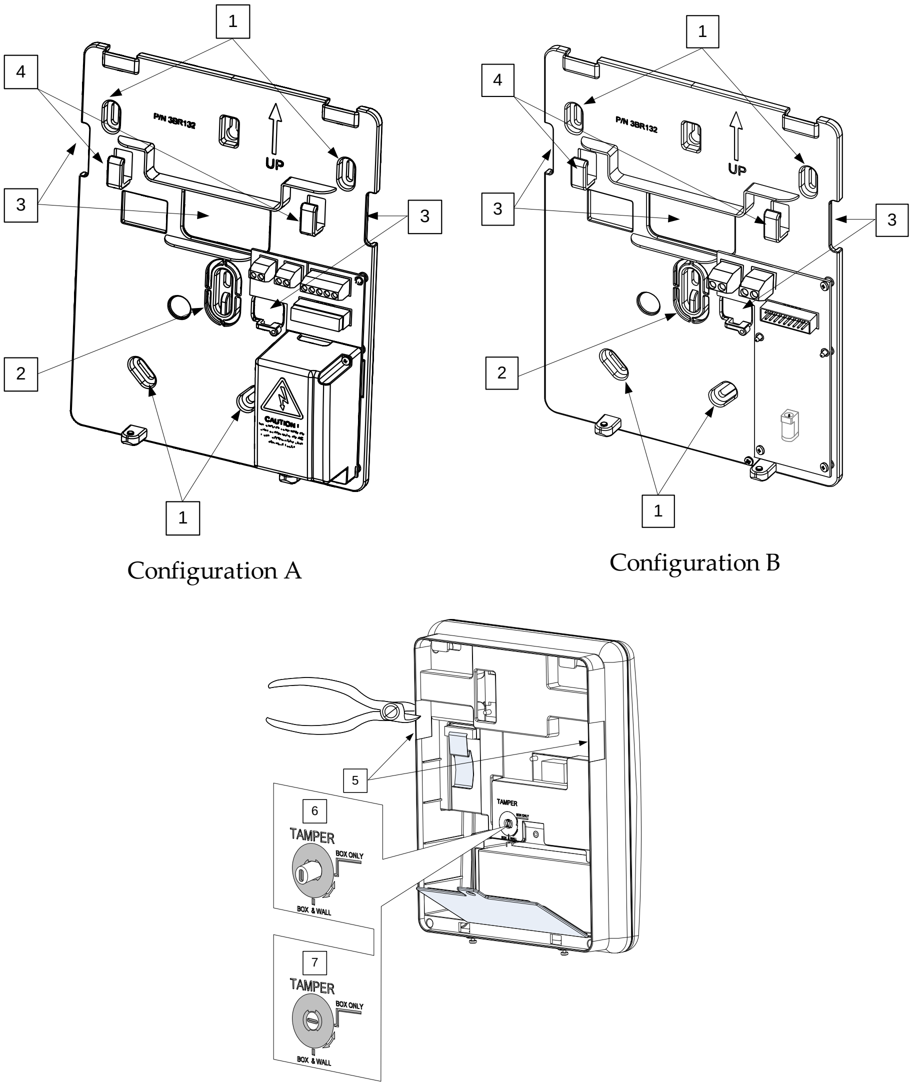
2. Hold the mounting bracket against the wall as a template and mark the locations for the mounting holes (5 mounting holes item 1, and an additional hole for securing the tamper protection bracket item 2, are available, see Figure 4).

3. Drill the desired mounting holes and place the screw anchors. Use the supplied 5 Philips pan head screws to attach the Mounting bracket to the wall (ST4.2 mm x 32 mm DIN 7981).

4. According to the location of the wall cables, route and insert the wires and cables via the cable's openings (3) (including AC cable and telephone cable), see figure 3.

5. If required, remove cable knockouts (5) to allow wire passage.

6. Anchor cables with dedicated hooks (4).



Configuration A

Configuration B

Figure 4: Wall Installation

7. Adjust the Tamper switch (using a flat screwdriver) according to your preferred configuration.

a. Box and Wall configuration (see Figure 4, detail 6) - Triggers the tamper when the box or the wall mounting are tampered.

b. Box only configuration (see Figure 4, detail 7) – Triggers the tamper when the box is tampered.

Connecting the Backup Battery

The **Agility** has a safety approved, sealed lead acid 6V, 3.2Ah rechargeable backup battery for use in case of a main power failure:

Note: The battery is supplied with the **Agility**.

To insert the backup battery:

Remove the battery compartment cover screw (see Figure 5, 3) located at the top of the cover by turning the screw counter clockwise and pulling the Agility battery cover outward.

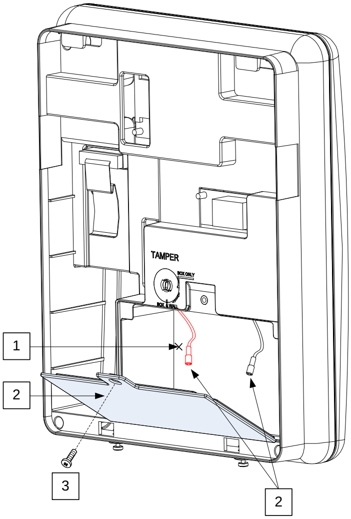


Figure 5: Battery Compartment

a. Insert the battery into its place and connect the flying leads to the battery according to the correct polarity (Red +) (Black -).

b. Return the battery compartment cover (after placing the battery in) and secure with locking screw.

Note: The Agility Rechargeable battery should be charged for at least 24 hours.

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions..

Connecting the Agility to Power Supply - Configuration A

Note: The Agility panel is permanently connected to the mains. The connection must be made according to your country's local regulations. As a general guideline, connect the Live Neutral and Ground using a safety approved 3-wire 18AWG power cable (14-mm minimum diameter flexible PVC cable which complies with IEC60227). The cable should be brought to the Agility panel in a protective plastic conduit (diameter - 16mm minimum).

A 2-pole 16A circuit breaker and earth leakage protector should be used to disconnect the live conductor, and should be provided as part of the building installation.

The Agility is powered by a safety approved 230VAC.

1. Remove the power supply unit cover (Figure 6, 1).
2. Connect the power wire (Safety approved, SVT, 18AWG, 0.75mm^2) to the power terminal located on the power supply unit (TB1) (2, Figure 6).

Note: The power wire is not supplied with the **Agility.**

3. DO NOT connect the cable to the wall power supply at this point.

Ground Connection

Important: This equipment must be connected to a Protective earthling terminal in the building installation. Use a min 18A WG yellow/green conductor for this connection.

Grounding provides a degree of protection against lightning and induced transients for any piece of electronic equipment that may, due to lightning or static discharge, experience permanent or general malfunctions. The ideal ground is considered to be a unified earth ground in which an 8-foot copper-clad rod, located close to the existing power and telephone ground rods, is sunk several feet into the earth. Appropriate hardware and clamps are then used to electrically connect each of these rods together and then to the ground terminal of the device to be protected.

It may be possible to use an existing electrical ground on the premises if one is close enough to the Agility. When connecting the ground wire, use a solid 14-gauge wire [or larger (numerically *lowe*r) size]. Keep this wire as short as possible and do not run it in conduit, coil it, bend it sharply, or run it alongside other wiring. If you must bend it or change its direction, it should have a radius of at least 8 inches at the point from which it is bent. If in doubt, you may want to enlist the help of a licensed electrician in matters concerning such grounding.

To connect to ground (Earth):

Connect between the Agility's ground terminal and an acceptable electrical ground connection for the lightning transient protective devices in this product to be effective.

Important: Connecting to ground must be performed according to the local National Electrical Code.

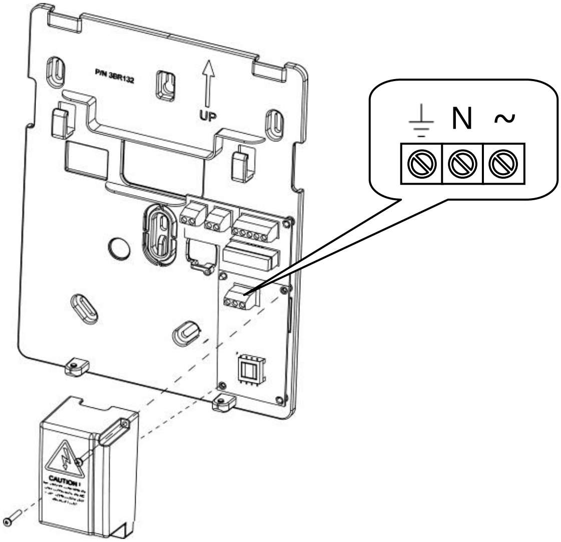


Figure 6: Connecting AC Power wires

Connecting the Agility to Power Supply - Configuration B

The Agility is powered by a 9VDC/1.0A Transformer.

8. Connect the transformer power jack to the power supply located on the power supply card (1, Figure 6A).

9. DO NOT connect the transformer inlet cable to the wall power supply at this point.

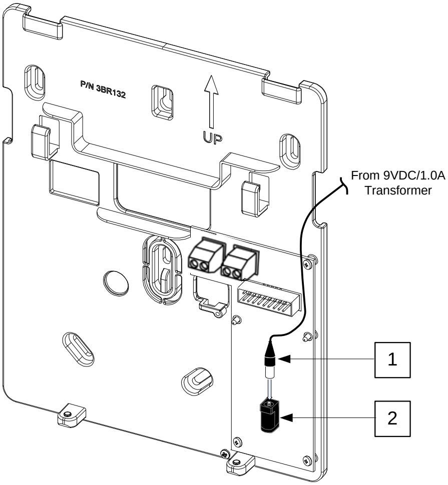


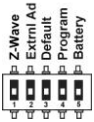
Figure 6A: Connecting DC Power Cable

Completing the Installation

1. Set the DIP switches according to the DIP Switch Setting section (see below).
2. Connect the ribbon flat cable between the main panel and the mounting bracket (J1).
3. Mount the Main unit to the mounting bracket using captive locking screws.
4. Plug in the power cable to the wall power outlet.
5. Power up the Agility.

DIP switch setting

Important Notice: As of Agility 3, DIP switches 1–4 in previous versions have been shifted to 2–5, respectively. DIP switch 1 is used for the new Z-wave capability (future use).



DIP Switch 1: Z-Wave: (Requires RISCO Z-wave module)

ON: Agility Z-wave communication protocol activated

OFF: (Default): Z-wave communication protocol is not active.

DIP Switch 2 (E-A): External Audio: Used to define if the voice of the Agility will go from the main unit or from an External Audio Unit. When the external unit is connected to the Agility the voice will be heard only through the Audio voice unit.

ON: External Audio Unit is connected to the Agility

OFF (Default): External Audio unit not connected to the Agility.

DIP Switch 3 (DFLT): Default jumper: Used when performing the following 3 operations:

1. To return engineer, sub-engineer and grand master codes to their default factory values. Set this DIP switch to **ON**, disconnect all power and then reconnect the power.

Note: Code Length does not change.

2. To manually erase wireless devices. Set this DIP switch to **ON** while power is connected. Execute a long press on the main unit button until a beep (indicating that all wireless devices have been erased) is heard.
3. To save or transfer data to or from the PTM device.

ON: To transfer data from the PTM to the panel.

OFF: To transfer data from the panel to the PTM. (Refer to *Chapter 3* for these procedures.)

DIP Switch 4 (PRGM): Enables loading local software updates to the Agility

ON: software updates to the Agility can be loaded

OFF (Default): software updates to the Agility cannot be loaded

DIP Switch 5 (BAT): Defines the Battery Discharge Protection option settings

ON: Battery Discharge Protection is OFF: The battery may be totally discharged during continuous AC failure, thus battery replacement may be required (no deep discharge protection).

Note: In this position the Agility will start to operate from a battery power supply whether it is connected to the Mains or not.

OFF (Default): Battery deep Discharge Protection is ON: If an AC power outage occurs, the Agility automatically disconnects the battery when its backup battery voltage drops below 5.8 VDC, in order to prevent "deep discharge" that may damage the battery.

Note: In this position the Agility will not start to operate from a battery power supply, unless connected to the Mains first.

Note: If the battery voltage drops below 5.8 V or it is not connected, its keypad menu reading is "0.0".

Connecting a telephone line to the Agility

Connect the system to a telephone line if the system configuration includes an internal modem (identical for Configuration A and B).

Connect the incoming telephone line to the LINE terminals (see Figure 7: Telephone Line Wiring).

Connect any telephone on the premises to the SET terminals (see Figure 7: Telephone Line Wiring).

NOTE: To ensure line seizure capability, and comply with FCC part 68 regulations, the equipment must be connected directly to the Phone company lines ('CO'). Whether connected via RJ11, RJ31, the line port must be connected to the CO lines without any other phones or other telecom equipment between them. Other telecom equipment can be connected only after (in series) the alarm panel.

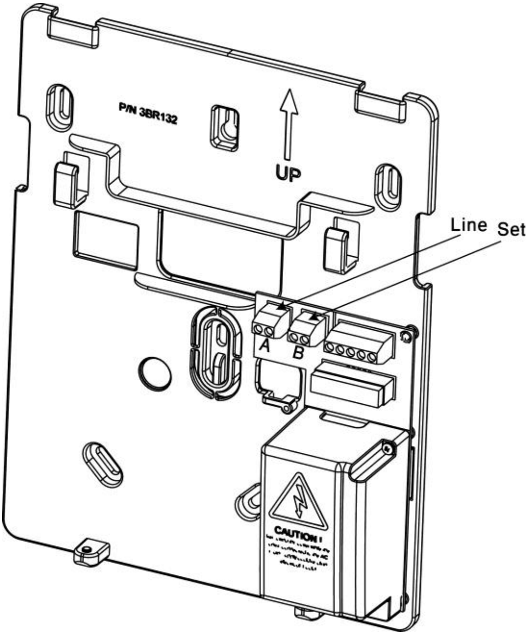


Figure 7: Telephone Line Wiring

Connecting a network cable to the Agility

If your Agility is equipped with an IP Card, you should connect the incoming network cable in order to enable IP Communication.

1. Separate the Agility from the mounting bracket.
2. According to the location of the network cable, route and insert the cable via the cable's openings (see Figure 3).
3. If required, remove cable knockouts (5, Figure 3) to allow cable passage.
4. Connect the incoming network cable to the plug-in.

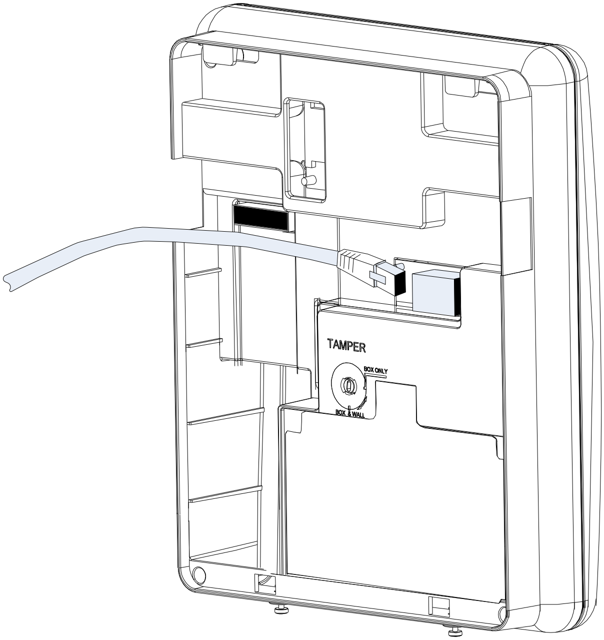


Figure 8: Network Cable Wiring

SIM Card Installation

If your Agility is equipped with a GSM/GPRS module, you should insert a SIM card in order to enable communication through the GSM/GPRS network.

- Insert the SIM into the dedicated SIM card slot located on the rear side of the back panel (See Figure 1: Agility Main Components).

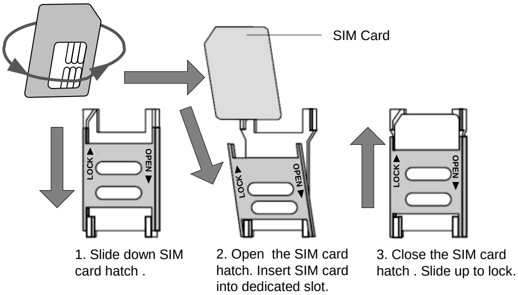

SIM Card
LOCK
OPEN
1. Slide down SIM card hatch .
2. Open the SIM card hatch. Insert SIM card into dedicated slot.
3. Close the SIM card hatch . Slide up to lock.

Figure 9: SIM Card Insertion

Important: Do not install SIM card while power is applied to the Agility.
Do not touch SIM Card connectors! If doing so, you may release an electrical discharge that could damage the SIM card.

- If a PIN code is required for the SIM card, the Agility will indicate a PIN code fault. To fix the fault, and thus enable the SIM card to operate properly, enter the PIN code number, located in the Communication > GSM parameters menu.

Note: Ensure that you have the PIN code. Be aware that after three wrong attempts (recognized by the SIM card) to enter a PIN number, the SIM card will lock.
You will have to contact your local cellular provider to unlock the SIM card.

- If you want to disable the SIM PIN code you should follow the steps:
  a. Insert the SIM card into a standard GSM mobile phone.
  b. Insert the PIN code.
  c. Access the phone security menu and selecting PIN OFF. Once done, re-test by switching the phone OFF, then switching ON. The PIN code should not be requested again.
- Once the SIM card is inserted it is recommended to test the operation of the SIM by conducting a call and testing the GSM signal strength. For more information refer to the programming menus of the GSM menu.

Note: In some countries an SMS center phone number might be required in order to enable SMS messaging. This phone number is provided by the provider. Programming the SMS center phone into the SIM can be done using a standard GSM mobile phone or from the Agility keypad or configuration software.

External Audio Unit

The Agility enables to connect a remote external Audio Unit instead of the main internal unit in order to listen to the system's audio messages. In addition the unit enables you to talk into your premises.

To connect the Audio unit:

1. Wire the Audio unit to the Agility as displayed in the Wiring Diagram described in Figure 10. The terminals for wiring the Audio Unit to the Agility are located on mounting bracket.
2. Set DIP Switch 2 (E- A) (**External Audio)** to **On** position**.**

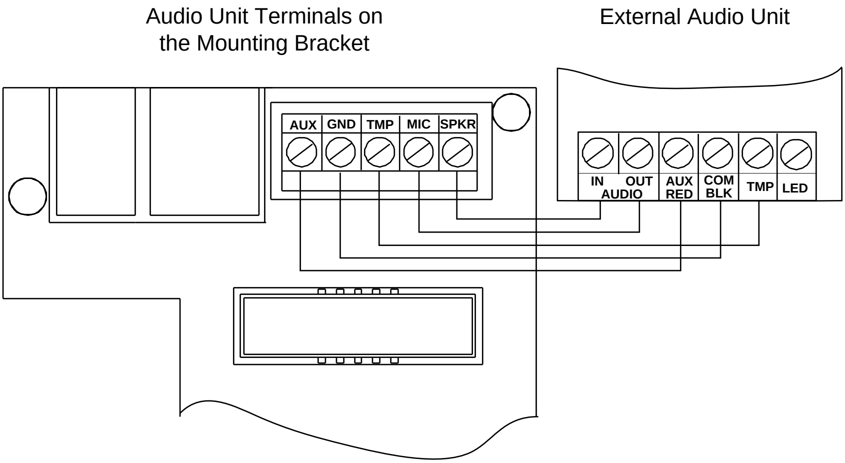


Figure 10: Wiring the External Audio Unit to Agility

Chapter 3 Engineer Programming

Programming Methods

There are 4 available options for programming the Agility:

- Configuration Software
- Wireless Keypad
- Engineer Keypad
- PTM

Configuration Software

A software application that enables you to program the Agility from a PC computer. It offers the following alternatives:

- Working locally, through a portable computer connected to the Agility via cable
- Working at a remote site, communicating with the Agility via a phone line, modem or IP address.

For further information on programming the Agility via the Configuration software, refer to the *Configuration Software* manual.

Wireless Keypad–Initial Default Language Specification

The Agility can be fully configured via the wireless keypad.

New systems require a default language specification before any further configuration. System language specification through "enrollment" (see below) of new system initial keypad is performed as follows:

To define the keypad and system language:

1. After the Agility is connected to the power supply press the button on the main unit for 5 seconds. The unit beeps once and enters "Learn" mode. The LEDs light up one after the other.
2. Send an RF signal "write message" from the 2-way LCD keypad by pressing both keys 🔓 and 🔒 simultaneously for at least 2 seconds until a generic device allocation message is broadcast and also displayed on the keypad.
3. In the displayed language menu, select the system language (and customer default) settings and then press #?

Notes:

1. If the keypad lapses into sleep-mode before you have chosen the language, restore the choose-system-language display through simultaneously holding [*] and [9])

2. The Agility can be programmed via any of the 2 way keypads in your system, but only using one keypad at a time for programming.

3. During engineer programming, the keypad will turn off after 4 minutes if no entry has been made to the keys. Press any button to restore the keypad. It will display the last parameter you were working on.

To program the Agility via the Wireless Keypad, follow this procedure:

1. Perform system device allocation for the keypad (refer to page 25).
2. Press * and enter the engineer code (default code is 0132). The keypad will sound a confirmation sound.

Note: If a Grand Master code is required to confirm the engineer code, it should be entered at this stage after the engineer code.

3. Go to the Programming menu and press #? . Once the panel is in programming mode, the Agility main unit LEDs will flash simultaneously and a confirmation sound will be heard.

Note: The engineer can also program user activities by selecting the Activities menu instead of the Programming menu. Use the ↲ ↱ buttons to navigate between the menus.

Engineer Keypad

For those systems that do not have keypads, RISCO Group offers the Agility engineer a temporary keypad to be used as any Agility wireless keypad for configuring a system. An hour after exiting the programming mode the Engineer Keypad will be erased from the Agility memory or when power is lost to the system.

To program the Agility via the Engineer Keypad, follow this procedure:

1. To allocate the Engineer Keypad into the system perform a short press on the main unit button.
2. Press the 🔓 🔒 buttons on the keypad simultaneously until the following message appears:

```
Insert GM Code
```

3. Enter the Grand Master code and press #? . The following confirmation message is heard: "Engineer Keypad Allocated".

Note: When a wrong Grand Master code is entered, the keypad will be deleted. To continue this procedure, perform reallocation of the keypad.

4. Follow steps 2 and 3 of the wireless keypad (see page 22) to begin programming the system.

PTM: Data Storing Device

The PTM is a tiny circuit board into which the Agility panel can transmit a copy of the system's configuration. The PTM stores this copy and can also transmit the configuration information back to the Agility panel.

To transfer the system configuration from the panel to the PTM, follow this procedure:

1. Disconnect the flat cable and remove the Agility main unit from its wall bracket.

Note: Make sure the battery is inserted into the main unit.

2. Make sure that DIP switch 3 is set to OFF (default setting).
3. Place the PTM onto the 5-pin PTM located on the rear of the main unit PCB. The PTM LED will turn on.
4. Press the main unit button for 5 seconds. The PTM LED will flash quickly during the transmission of information to the PTM.
5. Once transmission is complete, the panel will sound a confirmation beep and the PTM LED will stop flashing and turn on steady.
6. Disconnect the PTM from the main unit.
7. Reconnect the flat cable to the main unit and replace the main unit in its wall bracket.

To transfer the system configuration from the PTM to the Agility panel, follow this procedure:

1. Disconnect the flat cable and remove the Agility main unit from its wall bracket.

Note: Make sure the battery is inserted into the main unit

Make sure that the Default Enable system flag is on

2. Set DIP switch 3 to ON.
3. Place the PTM onto the 5-pin PTM connector located on the main unit PCB.
4. All LEDS on the main unit will begin to flash simultaneously. The PTM LED will flash during the transmission of information to the panel.
5. Once transmission is complete, the panel will sound a confirmation beep.

Note: If the procedure fails the panel will make 3 short error beeps, and you will need to do the procedure again

6. Disconnect the PTM from the main unit.
7. Reset DIP switch 3 to OFF.
8. Reconnect the flat cable to the main unit and replace the main unit in its wall bracket.

Wireless Device Allocation

Each wireless device must identify itself to the system receiver. The following section describes the different ways to allocate all of your devices to the system in order to later configure each device's parameters.

The learning procedure between the wireless devices and the main unit can be performed either from the main unit, a wireless keypad or via the Configuration Software.

Quick Allocation using the main unit button

To perform quick allocation using the main unit button, follow this procedure:

Note: To enable Quick Allocation mode the System bit "*Quick Learn*" should be enabled.

1. Set the main unit to Learn mode with a long press on the main unit button. Each LED will light up one after another.

   Note: The unit will sound each time you enter or exit the Learn mode.

2. Send a transmission from each device (refer to the *Transmitters write message method* table in section). The system will automatically identify each device according to different categories (for example: detectors, sounders, keypads, remote controls etc.) and enter each device and its default value into the unit's memory. Each device receives an index number from the system.
3. Exit the Learn mode with a short press on the main unit button.

Allocation using the keypad

It is possible to perform allocation via the keypad in two different ways: RF Allocation or by entering the device’s serial code.

To perform RF Allocation via the keypad, follow this procedure:

1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 1) RF Allocation. The system immediately goes into Learn mode.
2. Send a transmission from the device. (See table: *Transmitters Write Message Method*, page 28)

3. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the keypad LCD will display the device's serial number and category. The system also automatically allocates the device the next available index number.

To perform allocation via the keypad using a serial code, follow this procedure:

1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 2) By Code. Enter the device's 11 digit serial code number.
2. The system automatically recognizes the device and allocates it the next available index number. The system will sound the device type that has been allocated and the place it has been allocated to.

To allocate *zones* to a predefined place via the keypad follow this procedure:

Compared to the RF and Code allocations mentioned before, where the wireless elements are allocated automatically by the system to the first available place, when it comes to zones allocation the Agility also enables the allocation of zones to a pre-defined location.

1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 3) Zone Allocation.
2. Select the zone number to which you want to assign the detector and press #? .
3. Using the arrow keys select the allocation method: RF or Code allocation.
   - RF allocation: Send a transmission from the device. (See table: *Transmitters Write Message Method*, page 28)
   - Code allocation: Enter the device's 11 digit serial code number.
4. The system allocates the detector into the selected index number. The system will sound the device type that has been allocated and the place it has been allocated to.

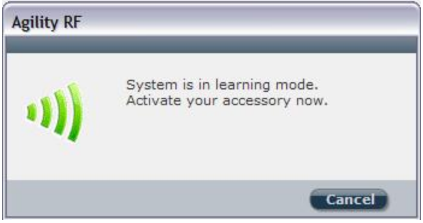
Allocation using the Configuration Software

Perform wireless device allocation via the configuration software in two different ways: RF Allocation or by entering the device's serial code.

To perform RF allocation from the configuration software

1. Establish Communication between the main unit and the Configuration software. (For more information refer to the *Configuration Software Manual*)
2. Open the **Activities > Radio Device Allocation** screen.

3. Click the Allocate... button. This operation will set the main unit to Learn mode. The following message appears:



Agility RF

System is in learning mode.
Activate your accessory now.

4. Send a transmission from the device. (See table below)
5. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the **Radio Device Allocation** screen indicates that the status of allocation has been successful. The serial number, accessory type and the index number information will be displayed. The index number is automatically assigned by the system.

Note: If required you can change the index number of the wireless device by selecting the required index number and clicking the Allocate... button again.

6. To allocate another wireless device click the Clear button and then repeat steps 3-5.

To perform Code allocation from the configuration software

1. Establish Communication between the main unit and the Configuration software by selecting Communication > Connect from the main menu. (For more information refer to the *Configuration Software Manual*)
2. Open the **Radio Device Allocation** screen. In the *Allocation* area, enter the device's serial number.

Note: The serial number can be found on the device.

3. Select the wireless device index number. Automatic means that the index number is automatically addressed by the system,
4. Click the Allocate... button.
5. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the **Radio Device Allocation** screen indicates that the status of allocation has been successful.

Transmitters Write Message Method

How to send a write message (transmission):	
Wireless Device	**Sending Write Message**
Detector/Contacts	Press the tamper switch for 3 seconds
2-Way Keypad	Press both keys 🔒 and 🔒 simultaneously for at least 2 seconds
1-Way Keypad	Press the 🔒 key twice
1-Way Key fob	Click the 🔒 button for at least 2 seconds
2-Way Remote Control	Press both keys 🔒 and 🔒 simultaneously for at least 2 seconds
Smoke Detector	Insert battery. Write message is send automatically within 10 seconds or when Tamper switch is closed.
Sounder	Press the reset switch on the sounder. After a squawk is sounded at the sounder you have 10 seconds to press on the tamper switch for at least 3 seconds.
Gas, CO detectors	Press the test button for 3 seconds
2 Panic Button Key fob	Press both buttons for at least 7 seconds

Deleting Wireless Accessories

Deleting all wireless devices can be done manually (from the main unit) or from the Configuration software.

To manually delete all wireless accessories from the system:

1. Place DIP switch 3 to **ON** position.
2. Press the main unit button until it sounds.
3. Replace DIP switch 3 to **OFF** position.

To delete a wireless accessory from the wireless keypad:

1. Go to the Engineer menus and select Programming → Radio Device → Modification
2. Select the device category
3. Go to Parameters option.
4. Select the device index number
5. Go to Serial number option and enter: 00000000000.
6. Press (#?). The device will be deleted

To delete a wireless accessory from the system via the Configuration software:

1. Establish Communication between the main unit and the Configuration software (For more information refer to the *Configuration Software Manual*)
2. In the **Radio Device Allocation** screen in the *Delete Accessories* area enter the device's serial code and click the **Delete** button.

To delete all wireless accessories from the system via the Configuration software:

1. Establish Communication between the main unit and the Configuration software by selecting Communication>Connect from the main menu. (For more information refer to the *Configuration Software Manual*)
2. In the **Radio Device Allocation** screen in the *Delete Accessories* area, click the **Delete All** button. When all accessories have been deleted the screen will indicate that deletion has been successful.

Establish Communication to the Cloud Server

Agility 3 can be configured to be continually connected to a server, enabling image transmission and user smartphone applications. When connected to the server, the server handles all communication between the system, service providers and web users, enabling monitoring and control to be performed over the internet.

Step 1: Enable cloud communication:

1. From the Engineer menu select: 1) System > 2) Controls > 3) Communication > Cloud Enable [Y]

Step 2: Set up GPRS or IP Communication

Connection Through GPRS

1. From the Engineer menu select : 4) Communication > 1) Method > 2) GSM > 2 > GPRS
2. Define APN code, user name and password. This information must correspond with that of the SIM card service provider.

Connection through IP

1. From the Engineer menu select : 4) Communication > 1) Method > 3) IP > 1) IP Config
2. Defines whether the IP address, which the Agility refers to, is static or dynamic. If Dynamic select [Y] and the system refers to an IP address provided by the DHCP. If static select [N] and define all other parameters in the menu.

Step 3: Define parameters for cloud connection using the IP or GSM/GPRS module:

From the Engineer menu select : 4) Communication > 5) Cloud and define the following parameters:

1. IP Address: The server IP address (riscocloud.com or that of your organization's server)
2. IP Port: The server port is set to 33000.
3. Password — The password for server access as provided by your provider (if required). This password should be identical to the CP Password defined in the server under the Control Panel page definition.
4. Channel: Select the communication path for the cloud. The path can be IP Only or GSM Only depending on the communication module in the Agility.
5. Controls: The Agility 3 supports parallel channel reporting (via PSTN, IP, GPRS SMS, or voice) to both the alarm receiving centre and FM when connected in cloud mode. Use this setting to decide if the panel reports events to the alarm receiving centre or follow-me in parallel to the report to the cloud or only as a backup when the communication between the Agility and the cloud is not functioning. For more information refer to Cloud Communication, page 4.

Step 4: Register with RISCO Cloud

If the Agility panel is defined to be connected to the RISCO Cloud, guide your customer to self-register his system with the cloud. Registering with RISCO Cloud enables your customer to monitor, control and configure your Agility 3 system from any location. The self registration process is as follows:

Register with RISCO Cloud

1. Go to www.riscocloud.com/register
2. Fill in your first name and last name
3. Enter your email address as Login Name (required for 1st time activation).
4. Define password (minimum of 6 characters and at least one digit) and confirm.
5. Enter in the 15 digits Panel ID as it appears on the sticker located on the side of the panel or as printed on the postcard that arrived with the panel.
6. Complete registration form and click the Register button.
7. To complete registration, respond to the email message received on the email account you defined as Login Name

Login to RISCO Cloud

1. Go to www.riscocloud.com.
2. Enter User Name and Password (as supplied during the registration process).
3. Enter Passcode (Agility User Code).
4. Click the Enter button.

Once the self registration is complete, homeowners can enjoy the iRISCO Smartphone app for smart and easy control of their Agility 3 system from any location. The next step is to download the iRISCO app from the Apple App store or Android Play Store.

PIR Camera

The Agility 3 enables the use of advanced PIR-based detection cameras. This use offers combined detection with image recording. Up to eight PIR cameras can be assigned to the Agility 3.

To install the PIR camera detectors with the Agility 3:

1. Enroll the PIR camera, like any other detector (see Wireless Device Allocation, page 25)
2. Set the PIR camera parameters as they appear under the Advanced Zone parameters (See **Camera Parameters**, page 60)
3. Set communication between the Agility 3 and the cloud server (See Establish Communication to the Cloud Server, page 29)
4. Login to the Web Application with the master user name and password.
5. Go to the main display and select the Video option
6. Adjust the view field for each camera as follows:
    a. Select camera
    b. Perform a snapshot from the server.
    c. Go to the Video Events tab.
    d. Click on the required picture.
    e. Adjust the camera and repeat steps b-d.

Chapter 4 Engineer Menus

The following chapter describes the parameters and programming options of the system and radio devices. These parameters can be programmed via the Agility keypad or the configuration software by the engineer.

Note: A note appears next to the parameters that can only be programmed via the configuration software. For more information regarding the installation and use of the configuration software refer to the *Configuration Software* manual.

Using the Agility keypad keys

The Agility two-way keypad contains three LED indicators, an LCD display and a variety of keys. The following table describes the typical uses of the keys when in programming mode.

Keys	Description

1 2 3
4 5 6
7 8 9
0
	The numerical keys on the keypad are used as quick keys, a numerical sequence used as a shortcut to program an option.
	To program the system using Quick keys:
	1. Access the engineer menus (see below) and select the relevant main menu option.
	2. Click the quick keys in sequence to locate the parameter and press #?.
	Numerical keys are also used to input the numeric codes that may be required for setting, unsetting, or used to activate specific functions.

*	Exits from the current menu and returns to Normal Operation mode
#?	Terminates commands and confirms data to be stored
↵ ↱	Used to browse through the menu: Scrolls up a list or moves the cursor
🔓 🔒	Changes data

Accessing the Engineer Menus

To access the engineer menus via the Agility keypad, follow this procedure:

Press the * key to activate the keypad.

Enter the engineer code 0132 (default code).

Note: If the *Authorize Engineer* system bit is defined as YES, a Grand Master code is required to authorize the engineer to enter the programming mode. In this case the Grand Master code should be entered after the engineer code via the *Grand Master menu* → *Activities* → *Authorize Engineer*.

The following menu appears displaying a list of all the engineer menus:

1) Programming
2) Testing
3) Activities
4) Follow Me
5) Clock
6) Event Log
7) Macro

Using the ↲ ↱ keys to select the options.

Programming Menu

All the system parameters are programmed by the engineer via the programming menu. After accessing the engineer menus, select the *1) Programming* option. The following list appears:

1. System
2. Radio Devices
3. Codes
4. Communication
5. Audio
6. Exit

1. Programming: System Menu

The **System** menu provides access to parameters that are used for programming configuration settings applicable to the entire system. The **System** menu is divided into the following sub-menus:

1. Timers
2. Controls
3. Labels
4. Sounds
5. Settings
6. Service Information

7. Firmware Update

1.1 Timers

The **Timers** menu contains parameters that specify the duration of an action.

System: Timers

Parameter	Default	Range
Exit/Entry Delay 1		
The amount of time before the system is set/unset. Usually used on front entrance door.		
Entry Delay 1	30 sec	0-255 sec
Duration of entry delay 1 before the system is unset		
Exit Delay 1	45 sec	0-255 sec
Duration of exit delay 1 before the system is set		
Exit/Entry Delay 2		
The amount of time before the system is set/unset. Usually used to back door.		
Entry Delay 2	45 sec	0-255 sec
Duration of entry delay 2 before the system is unset		
Exit Delay 2	60 sec	0-255 sec
Duration of exit delay 2 before the system is set		
Bell Timeout	04 min	01-90 min
Duration of the sounder during alarm.		
Bell Delay	00 min	00-90 min
The time delay before a sounder sound is produced after triggering an alarm.		
AC Off Delay	30 min	0-255 min
In the case of a loss of AC power, this parameter specifies the delay period before reporting the event or operating the Programmable Output. If the delay time is set to zero, there will be no delay period.		
Jamming Time	None	None, 10, 20 or 30 sec
Specifies the period of time that the system's receiver tolerates unwanted radio frequencies capable of blocking (jamming) signals produced by the system's transmitters. Once the specified time is reached, the system sends a report code to the alarm receiving centre or activates a local sounder, depending on the *Audible Jamming* system control. NONE: No jamming will be detected or reported.		

System: Timers

Parameter	Default	Range
RX Supervision	0 hours	0-7 hours

Specifies how often the system expects to get a signal from the system's transmitters. If a signal from a zone is not received during the specified time the zone will be regarded as lost, the system will send a report code to the alarm receiving centre, and the system status will be "Not Ready".

Notes: 0 hours disables supervision
It is recommended to set the supervision time to a minimum of 3 hours

Parameter	Default	Range
TX Supervision	058	0-255 min

Specifies how often a bi-directional wireless device generates a supervision request to the system.

If any of the accessories fail to transmit a supervision signal at least once, during the **RX Supervision** time, the system will regard the accessory as Lost.

Note: The device will generate the supervision message according to the time defined.

Important: The RX Supervision time should be higher than the Tx Supervision time in order to eliminate false lost event.

Parameter	Default	Range
Redial Wait	30 sec	0-255 sec

The number of seconds between attempts at redialing the same phone number.

Applies to both the **ARC Retries** and **FM Retries** parameters.

Note: Used for both PSTN and GSM.

More

Parameter	Default	Range
Swinger Limit Shutdown	00	0-15 times

A swinger is a repeated violation of the same zone, often resulting in a nuisance alarm and usually due to a malfunction, an environmental problem, or the incorrect installation of a detector or sensor.

This parameter specifies the number of violations of the same zone reported during a single set period, before the zone is automatically omitted.

Note: 00 to disables the swinger shutdown

Parameter	Default	Range
No activity	00	0-99 hours

System: Timers

Parameter	Default	Range
Determines the time limit for reception of signals from sensors used to monitor the activity of sick, elderly or disabled people. If no signal is received from a zone defined with the "No Activity" feature at least once within the defined time limit, a "no-activity" alert can be send to Follow Me destination, a local message can be heard and a report to Monitoring Station can be defined to be send. Options: 0 =this parameter is inactive.		
Last Exit Sound	00	0-255 seconds
Defines the last seconds of the Exit Time that the beep sound will change (main unit and keypads), indicating to the user that Exit Time is about to end.		
Entry Omit	30 seconds	(15–240)
When the 2-Way Wireless Slim Keypad Reader is defined as Omit mode, this timer defines the period during which an Open Delay zone type (typically door) can be opened without triggering an alarm event.		
Service Time	20 minutes	0-240 minutes
The time period that all tampers (main unit and accessories) can be opened for purposes of battery replacement without triggering a tamper alarm. (See page 113, Service Mode).		

1.2 Controls

The **Control** menu contains parameters that control specific system operations.

System: Controls

Parameter	Default
Basic programming	
Quick Set	YES
YES: Eliminates the need for a user code when setting (Full or partial) the system by a keypad or 2-way remote control. **NO**: A valid user code is required for setting using a keypad or remote control.	
Allow Omit	YES
YES: Permits zone omitting by authorized system users after entering a valid user code. **NO**: Zone omitting is NOT permitted.	
Quick Status	YES
YES: A user code is not required before pressing the status key/button on your wireless keypad or bi-directional remote control. **NO**: A user code is required to activate the status key.	

System: Controls

Parameter	Default
False Code Fault	YES

YES: A false code report is sent to the alarm receiving centre after five successive attempts at setting or unsetting in which an incorrect user code is entered. No alarm sounds at the premises, but a fault indication appears. The wireless keypad will be locked for 30 minutes.

NO: A local alarm is sounded at the premises.

Parameter	Default
Sounder Squawk	YES

YES: Setting or unsetting the system using a remote control, wireless keypad or a key-switch produces a brief "chirp" and activates the strobe as follows:

- One chirp indicates the system is set (also when setting with a keypad).
- Two chirps indicate the system is unset.
- Four chirps indicate the system is unset after an alarm.

NO: No "chirp" is produced.

Parameter	Default
Audible Panic	NO

YES: The sirens operate when a "Police Alarm" is initiated at the keypad (if defined), the remote control or when a panic zone is activated.

NO: No sounder operation occurs during a "Panic Alarm," making the alarm truly "silent" (Silent Panic).

Note: The system always transmits a panic report to the alarm receiving centre.

Parameter	Default
Buzzer → Bell	NO

YES: If an alarm occurs when the system is set in the Part Set mode, a buzzer sounds for 15 seconds before the sirens operate.

NO: An alarm in the Part Set mode causes sirens to operate simultaneously.

Parameter	Default
Audible Jamming	NO

Relates to the **Jamming Time** parameter.

YES: Once the specified time is reached, the system activates the sounder and sends a report code to the alarm receiving centre.

NO: Once the specified time is reached the sirens do not operate.

Parameter	Default
Exit Beeps at Part	YES

Determines whether the system will sound beeps during exit time in Part Setting.

YES: Exit beeps will sound

NO: Exit beeps will not sound

System: Controls

Parameter	Default
Forced Device Setting	YES

YES: Setting a partition, using a remote control or key-switch can be performed with violated (not ready) zones in the system. Any violated (not ready) zone(s) in the partition will be omitted automatically. The partition is then "force set," and all intact zones are capable of producing an alarm.

NO: The partition cannot be set until all violated (not ready) zones are secured.

Parameter	Default
Set Pre-warning	YES

Related to auto Set/Unset operation.

YES: For any partition(s) set up for Auto Setting, an audible Exit Delay (warning) countdown will commence 4.25 minutes prior to the automatic Setting. During this period, Exit Delay beeps will be heard.

You can enter a valid User Code at any time during the countdown to delay the partition's automatic Setting by 45 minutes.

When an "Auto-Set" partition is unset, as described above, it can no longer be automatically set during the current day.

The extended 4.25 minutes warning does not apply to automatic Partial Setting.

NO: Auto Setting for any programmed partition(s) takes place at the designated time. The programmed Exit Delay period and any audible signal occur as expected.

Parameter	Default
Default Enable	YES

This option contains parameters that relate to what happens to the Engineer, Sub-Engineer and Grand Master codes if the Main Panel's DEFAULT DIP switch 3 is in place when power to the Main Panel is switched off and then on. For more information regarding panel defaults refer to: *Dip Switch Setting*, DIP switch 3, page 17.

Note: The Default Enable parameter's state is not reset upon performing system default.

YES: The Engineer, Sub-Engineer and Grand Master codes will return to the original, factory default values.

NO: The Engineer, Sub-Engineer and Grand Master codes will **NOT** return to the original, factory default values by an unauthorized user.

System: Controls

Parameter	Default
Main Button: Status-Y/Talk-N	YES

The Agility enables the ARC to perform Listen-In and Talk functions in order to verify a cause of event or to guide someone in distress. The *Main Button: Status-Y/Talk-N* parameter determines the function of the button on the surface of the main unit to enable Listen-In and Talk.

YES: Status button – The system will relay the system status.

NO: Service call button – The system dials the Alarm Receiving Centre to establish 2-way communication.

Quick Learn	YES

Enables the button on the surface of the main unit to perform quick allocation of wireless devices. (See ***Chapter 3*** *System Device Allocation: Manual Setup*)

YES: Quick learn mode is enabled. Long press on the main unit button will start Learn mode. The LEDs on the main unit will start flashing one after the other

NO: Quick learning mode is disabled. The main unit button is not in Learn mode.

Advanced programming

Area	NO

Changes the system operation to Area instead of Partition, which then changes only the operation of a common zone.

YES: When selected, the following points are relevant:

- A common zone will be set after any partition is set.
- A common zone will be unset only when all partitions are unset.

NO: When selected, the following points are relevant:

- A common zone will be set only when all partitions are set.
- A common zone will be unset when any partition is unset.

Global Follower	NO

YES: Specifies that all zones (that are programmed to follow an Exit/Entry Delay time) will follow the Exit/Entry Delay time of any set partition.

NO: Specifies that all zones (that are programmed to follow an Entry Delay time) will follow the Entry Delay time of only the partitions to which they are assigned.

Summer/Winter	NO

YES: The system automatically sets its time of day clock one hour ahead in the spring (on the last Sunday in March) and one hour back in the Autumn (on the last Sunday in October).

NO: No automatic time accommodation is made.

System: Controls

Parameter Default

24 Hour Omit NO

YES: It is possible for the user to omit a 24-hour zone.

Note: When set, this parameter also applies to the zone's associated tamper settings. Thus, omitting a zone, also bypasses its tamper.

NO: It is not possible for the user to omit a 24-hour zone.

Technician Tamper NO

YES: It is necessary to enter the Engineer Code to reset a Tamper alarm. Therefore, resetting a Tamper alarm requires the intervention of the alarm company. However, the system can still be set.

NO: Correcting the problem resets a Tamper alarm, requiring no alarm company help.

Technician Reset NO

YES: It is necessary to enter the Engineer Code to reset an alarmed partition after it has been unset. This requires the intervention of the alarm company.

Note: Before the Ready LED can light all zones within the partition must be secured.

NO: Once an alarmed partition is reset the Ready LED lights when all zones are secured.

Engineer Tamper NO

YES: After a Tamper alarm, the system is not ready to set. This requires the intervention of the alarm company.

NO: After a Tamper alarm is restored the system is ready.

Low Battery Set YES

YES: Allows setting of the system when a low battery condition is detected in the main unit.

NO: Setting the system is disabled when a low battery condition is detected.

Sounder Pre-Alarm NO

Specifies if the system will send a pre-alarm message to the sounder while an entry delay starts.

YES: The system sends a pre-alarm signal to the sounder at the beginning of the entry delay. If the sounder does not receive a cancellation signal from the system at the end of the entry time, the sounder goes into alarm.

NO: Pre-Alarm disabled

Bell 30/10 NO

YES: The sirens cease to sound for 10 seconds after each 30 seconds of operation.

NO: The sirens operate without interruption.

System: Controls

Parameter | **Default**

Fire Alarm Pattern NO

YES: During a fire alarm, the sirens produce a pattern of 3 short bursts followed by a brief pause.

NO: During a fire alarm, the flow of sounds produced by the sounder is a pattern of 2 seconds ON, then 2 seconds OFF.

IMQ NO

YES: Causes the following parameters to function as follows:

- o **Auto Set Omit:** If there is an open zone during the Auto Set process, the system will be set, and a silent alarm will be activated (unless the open zone is closed).
- o A programmable output defined as "Auto Set Alarm" is activated.
- o A programmable output defined as "Zone Loss Alarm" is activated

NO: Causes the following parameters to function as follows:

- o **Auto Set Omit:** If the Auto Set programming arms the system and there is an open zone during the auto set, the system will omit the open zones and set the system.
- o A programmable output defined as "Auto Set Alarm" is deactivated.
- o A programmable output defined as "Zone Loss Alarm" is deactivated.

Disable Incoming Call NO

This parameter is used to disable all incoming calls trying to come in via the voice channel (PSTN or GSM).

YES: Incoming calls from voice channel are disabled.

NO: Incoming calls from voice channel are enabled.

Note: Incoming data call via the GSM data channel is still enabled.

Omit Unique Code YES YES/NO

YES: Unique code for the purpose of the Door omit feature. The codes used for the door omit feature are defined with Door Omit authority level

NO: The regular user code can be used as a omit code (Not including ***Set only*** authority level). The same user codes will be used from a omit keypad and from a regular keypad

Silent Remote Install

YES: During Configuration Software programming, all panel sounds are suppressed.

NO: The panel generates sounds during programming by Configuration Software.

System: Controls

Parameter — **Default**

ARC Enable — YES

YES: Enables communication with the Alarm Receiving Centre to report alarms, fault, and supervisory events.

NO: No communication with the Alarm Receiving Centre is possible. Choose **NO** for installations that are NOT monitored by an Alarm Receiving Centre.

Configuration Software Enable — YES

YES: Enables communication between the alarm company and the system using the Configuration software. This enables modifying an installation's configuration, obtaining status information, and issuing Main Panel commands, all from a remote location.

NO: Disables communication, as detailed above.

FM Enable — YES

YES: Enables Follow-Me communication.

If both the ARC phones and the FM phones are defined, the system will first call the ARC phones and then the FM phones.

NO: Disables Follow-Me communication.

Cloud Enable — NO

Yes: Enables communication between the Agility system and the RISCO Cloud server.

NO: Does not enable communication, as detailed above.

EN 50131 programming

Authorize Engineer — NO

This option limits the Engineer and Sub-engineer authorization to access the programming menu.

YES: A Grand Master code is required to authorize the engineer to enter the programming mode for 1 hour.

NO: The Engineer does not need an authorization code.

Override Fault — YES

Specifies if the system/partition can be set when there is a fault in the system.

YES: The system will set even if there is a fault in the system.

NO: When the user starts the setting process and there is a system-fault, the user must confirm that he is aware of all faults before continuing with the Setting process.

This is done via the User menu→Activities→Omit Fault.

The system will not set during forced setting if a fault occurred in the system

System: Controls

Parameter | **Default**

Restore Alarm NO

YES: The user must confirm that he/she is aware that alarm occurred in the system before rearming the system. The system will be in "Not Ready" status until he confirms the alarm. This is done via the User menu→Activities→Advanced→Restore Alarm.

NO: The user does not need to confirm the alarm before rearming the system.

Mandatory Event Log NO

YES: Only mandatory events (specified in the EN standard) will be displayed in the Event Log.

NO: All the events will be displayed in the Event Log.

Restore Troubles NO

YES: The user must manually confirm the restoral of each fault to a normal condition. This is done via the User menu → Activities → Advanced → Restore Faults.

NO: The restoral report of each fault is automatic .

Exit Alarm YES

YES: A violated zone outside the exit route will generate an alarm during the exit time. A report to the alarm receiving centre for setting the system is sent at the beginning of the setting procedure.

NO: A violated zone outside the exit route will cancel the setting process. A report to the alarm receiving centre is send at the end of a successful setting procedure.

Entry Delayed Alarm NO

This feature is used to reduce false alarm reports to the ARC.

YES: The report to the ARC and the sounder alarm will be delayed for 30 seconds or until the end of the predefined entry delay (the shorter time of the two) following a violation of a zone outside the **entry** route.

NO: A violated zone outside the **entry** route will generate an alarm during the entry time and a report will be sent to the ARC.

20 Minutes Signal NO

YES: Prior to setting the system, the system will check for zones that did not send a signal for more than 20 minutes. These zones will be regarded as not ready. A partition assigned with a not ready zone cannot be set.

NO: Prior to setting, the system will not check whether a zone did not send a signal for more than 20 minutes.

System: Controls

Parameter	Default
Attenuation	NO

YES: The Agility receiver will be attenuated by 6 dB during the communication test.

NO: The Agility receiver works in normal operation mode.

DD243 programming

Omit Exit/Entry	YES

YES: It is possible for the user to omit an Exit/Entry zone.

NO: An Exit/Entry zone cannot be omitted.

Entry Disable	NO

YES: The alarm confirmation process will be disabled when the entry time starts.

NO: The alarm confirmation process will start when the entry time starts.

Route Disable	NO

YES: The panel disables the entry route zones (EX/EN, EX (OP)/EN, followers and Final Exit) from participating in the alarm confirmation process when the entry time starts.

Note: Sequential confirmation can still be established from two confirmed zones, located off the entry route.

NO: The entry route zones will participate in the alarm confirmation process when the entry time starts.

Engineer Reset Confirmation	NO

YES: An engineer reset confirmation is required in order to reset the system after a confirmed alarm. The system cannot be set until an Engineer Reset Confirmation is performed. The reset can be done by entering the Anti code or entering the installation mode or by performing a "Engineer reset" from the keypad.

NO: Any means can be used to set or unset the system (keypad, remote phone operation etc.).

Key Switch Lock	NO

YES: Only a Latched Key Switch zone can set or unset the system.

Note: When the system has more than 1 zone defined as Latch Key Switch, the set/unset operation will occur only after all these zones are set or unset.

NO: Any means can be used to set or unset the system (keypad, remote phone operation etc.).

System: Controls

Parameter	Default
Entry Unset	NO

Determines if the system's unsetting depends on the entry time.

YES: A remote control or keypad proximity tag can unset the system during the entry time. Pin code entry cannot be used.

Note: The system cannot be unsetted with a remote control while the system is set.
This parameter setting is relevant only for the Full Set state and not for Part Set.

NO: The system can be unset during any time using any unsetting device. Pin code entry can be used.

CP-01 programming

Exit Restart	NO

This parameter is used to define if an exit time shall restart one additional time while an entry/exit zone is tripped twice during exit time.

YES: Exit time will restart for one time only when an entry/exit zone is tripped during exit time.

NO: Exit time will not be affected if an entry/exit zone is tripped during exit time.

Auto Part	NO

This parameter is used to define the system's setting mode when using a keypad and no exit/entry zone is tripped during exit mode.

YES: If no exit/entry zone is tripped during exit time the system will be set in PART mode.

NO: If no exit/entry zone is tripped during exit time the system will be set in FULL mode.

System: Controls

Parameter	Default
Exit Error	NO

This parameter is used to define what will happen if an Exit/Entry zone is left open at the end of the exit time.

YES:

- Local alarm will be activated at the end of the exit time.
- Exit error report will be sent to the alarm receiving centre together with an alarm report if the system has not been unset during the entry time that immediately started after the exit time expiration.

NO:

- No local alarm will be activated at the end of the exit time.
- Only an alarm report will be sent to the alarm receiving centre if the system has not been unset during the entry time that immediately started after the exit time expiration

Parameter	Default
3 Minute Omit	NO

YES: Omits all zones automatically for 3 minutes when power is restored to an "unpowered" system.

NO: No omitting occurs.

1.3 Labels

You can rename the labels that identify the system and partitions by changing the default labels (**Partition 1**, **Partition 2** and so on) to, for example, **The Jones's**, **Sales Dept**, or **Mastr Bedr** as appropriate.

Labels that can be renamed:

System: Labels

Parameter	Default	Range
System	**Security System**	Any 16 characters
Edits the global (system) label		
Partition 1/2/3	Partitions 1 through 3	Any 16 characters
Edits partition labels		

To rename labels using the keypad keys to produce characters see the table below:

Key	Data Sequence
1	1 . , ' ? ! " – ( ) @ / : _ + & * #
2	2 a b c A B C

3	3 d e f D E F
4	4 g h i G H I
5	5 j k l J K L
6	6 m n o M N O
7	7 p q r s P Q R S
8	8 t u v T U V
9	9 w x y z W X Y Z
0	0
🔓 🔒	Use these keys to toggle forwards and backwards through all the available characters.

1.4 Sounds

The **Sounds** menu contains parameters that enable you to set the sound(s) that will be produced by the system after the following system events:

System: Sounds

Parameter	Default	Range
Tamper Sound	BELL/A Sil/D	1 to 6
Sets the sound(s) produced by a Tamper violation according to the following options: ○ **Silent** ○ **Bell (**External/Internal sounder**)** ○ **Buzzer (main unit)** ○ **Bell + Buzzer** ○ **Bell/A Buzzer/D:** Bell when system set, Buzzer when system unset ○ **Bell/A S/Unset:** Bell when system set, Silence when system unset		
Local Speaker Alarm Volume	Level 5	0-5
Sets the main unit's internal speaker Alarm volume. The volume ranges between 0 (silent) to 5 (Max volume). After setting/changing the volume, sound will be emitted by the internal speaker to enable evaluation of the selected volume level.		
Local Speaker Squawk Volume	Level 3	0-5
Sets the main unit's internal speaker Squawk volume. The volume ranges between 0 (silent) to 5 (Max volume). After setting/changing the volume, sound will be emitted by the internal speaker to enable evaluation of the selected volume level.		
Exit/Entry Beeps Volume	Level 3	0-5
Determines the volume of the beeps sounded from the main unit during the Exit/Entry times.		
Speaker Messages Volume	Level 2	0-4
Determines the volume of the spoken messages from the main unit.		

1.5 System Settings

This option allows to set the system settings as language, specific standardization and more.

System: Settings

Parameter	Default	Range
Default Panel		
Restores programming options to factory defaults. The Panel Default option will be followed by questions regarding the defaults of the labels and erasing wireless devices. Use 🔒 to toggle your Y/N option.		

System: Settings

Parameter	Default	Range
Erase Wireless Device		
Erase wireless devices without changing the system current programmed parameters .		
Language		
Sets the system language (Email, SMS and keypad language)		
Standards		
EN 50131	NO	
Sets the panel programming options in compliance with EN standards. (See *Appendix* F)		
PD6662:2010	NO	
Sets the panel programming options in compliance with PD6662 standards.		
CP-01	NO	
Sets the panel programming options in compliance with CP-01 standards.		
Customer		
Modify here the 3-character system Customer ID as per label format (See Label, page 46). Changing the Customer ID results in changing the system language and default settings according to the predefined factory Customer ID settings. Use this setting to alter the Customer ID specified upon first-time Agility start-up. Consult with your RISCO representative to acquire the appropriate Customer ID.		

1.6 Service Information

The **Service Information** menu enables you to insert information accessible to the system's users of the alarm company from whom the service is obtained.

System: Service Information

Parameter	Default	Range
Name		Any 16 characters
Enables you to insert and/or edit the name of the alarm company from whom service may be obtained. The information can be viewed by the user using the wireless keypad.		
Phone		Any 16 characters
Enables you to insert and/or edit the service phone number. The information can be viewed by the user using the wireless keypad		

1.7 Firmware Update

The **Agility** enables you to remotely upgrade the main unit firmware versions via IP or GPRS channels. Under the **Firmware Update** menu you need to define the location of the upgrade file. The request to start the remote upgrade can be done from the Agility keypad or from the Agility Configuration Software. For detailed information refer to the *Remote Software Upgrade* instruction guide.

System: Firmware Update

Parameter	Default	Range
Server IP	firmware.riscogroup.com	
Enter the IP address/URL of the router/gateway where the upgrade file is located.		
Server port	00080	
Enter the port on the router/gateway where the upgrade file is located.		
File Path	/AgilityV3/OUK/cpcp.bin	
Enter the upgrade file name. For example: /AgilityV3/0UK/cpcp.bin		

Please contact Customer Support services for the file name parameters.

1.8 Picture Server

The **Agility** enables you to define a server on which to store and access images captured by system-related cameras. Use this feature for the **http** solution

System: Picture Server

Parameter	Default	Range
Server IP	**212.235.33.205**	
Enter the IP address of the router/gateway of the server where the pictures are to be located.		
Server port	**01041**	
Enter the port on the router/gateway of the server where the pictures are to be located.		
File Path	**Agility**	
Enter the file path name.		

Please contact Customer Support services for the file name parameters.

Username		
Enter user name (if required). The User name is provided the server administrator. The system supports a user name field of up to 32 alphanumeric characters and symbols (!, &, ? etc).		

System: Picture Server

Parameter	Default	Range

Password

Enter the password (up to 24 alphanumeric characters and symbols.) as provided the server administrator (if required).

Image Channel

Choose here the image transmitting channel for the HTTP server, subject to the system's installed networks.

Note: This feature requires that the alarm receiving centre receiver supports the SIA IP protocol.

The four options are:

- **IP/GPRS**: The panel checks for the availability of the IP network. During regular operation mode images are transmitted using the IP network line. In the case of fault in the IP network, the images are routed through the GPRS network.
- **GPRS/IP**: The panel checks for the availability of the GPRS network. During regular operation mode all image transmission are carried out using the GPRS. In the case of fault the images are routed through the IP network.
- **IP Only**: The images are transmitted through the IP network only.
- **GPRS Only**: The images are transmitted through the GPRS network only.

2. Programming: Radio Devices Menu

The **Radio Devices** menu provides access to sub-menus that are used for programming, defining and editing each of the system's wireless devices. The **Radio Devices** menu is divided into the following sub-menus:

1. Allocation

2. Modification

3. Identification

2.1 Allocation

Each wireless device must be identified to the system receiver before its parameters can be configured. See *Chapter 3* for further information on the allocation procedures.

2.2 Modification

The modification menu is used to change the values of the parameters configured by the system for each wireless device. The modification menu is divided into the following submenus:

1. Zones

2. Remote Controls (Keyfobs)

3. Keypads

4. Sounders

5. I/O Expanders

Note: This list varies according to the devices that have been allocated to the system. Only devices that have been allocated can be configured or modified by the engineer.

2.2.1 Zones

The **Zones** menu is divided into the following sub-menus:

- Parameters
- Alarm (Sequential) Confirmation
- Soak Test
- Zone Crossing

Parameters

Note: The parameters displayed, vary according to the type of zones connected to the system.

Zones: Parameters

Parameter	Default	Range
Label	Zone 01/02/03/ …	Any characters
A label identifies the zone in the system. Up to 16 characters).		
Serial Number		
The internal ID number of the zone. Each wireless device has its own unique ID number. Placing ID 00000000000 will delete the zone.		
Partition		
The partition (1 to 3) assignment for each zone.		
Type		
Each zone can be defined as one of the following types:		
Not Used		
Disables a zone. All unused zones should be given this designation.		
Exit/Entry 1		
Used for Exit/Entry doors. Violated Exit/Entry zones do not cause an intrusion alarm during the **Exit/Entry Delay.** If the zone is not secured by the end the delay expires it will trigger an intrusion alarm. To start a setting process, this zone should be secured. When system is set, this zone starts the entry delay time.		
Exit/Entry 2		

Zones: Parameters

Parameter	Default	Range
Same as above, except that the Exit/Entry 2 time period applies.		
Exit(Op)/Entry 1 Used for an Exit/Entry door. This zone behaves as described in the **Exit/Entry 1** parameter, shown above, except that, if faulted, the setting process is **<u>not</u>** prevented. To avoid an intrusion alarm, it must be secured before the expiration of the **Exit Delay** period.		
Exit(Op)/Entry 2 Same as above, except that the Exit (Op)/Entry 2 time period applies.		
Entry Follower Usually assigned to motion detectors and to interior doors protecting the area between the entry door and the system. This zone(s) causes an immediate intrusion alarm when violated unless an Exit/Entry zone was violated first. In this case, Entry Follower zone(s) will remain omitted until the end of the Entry Delay period.		
Intruder (Instant) Usually intended for non-exit/entry doors, window protection, shock detection, and motion detectors. Causes an immediate intrusion alarm if violated after the system is set or during the Exit Delay time period. When Auto Set and Pre-Warning are defined, the instant zone will be set at the end of the Pre-Warning time period.		
Interior + Exit/Entry 1 Used for Exit/Entry doors, as follows: ♦ If the system is set in the Away (Full Set) mode, the zone(s) provide a delay (specified by Exit/Entry 1) allowing entry into and exit from an set premises. ♦ If the system is set in the Stay mode, the zone is omitted.		
Interior + Exit/Entry 2 Same as the **I + Exit/Entry 1** parameter, described above, but the Exit/Entry 2 time period is applicable.		
Interior + Exit(Op)/Entry 1 Used for an exit/entry door that, for convenience, may be kept open when the system is being set, as follows: ♦ In Away (Full Set) mode behaves as an **Exit (Op)/Entry 1** zone. ♦ In Stay mode, the zone will be omitted.		

Zones: Parameters

Parameter	Default	Range

Interior + Exit(Op)/Entry 2

Same as the **I + Exit (Op)/Entry 1** parameter, described above, but the Exit/Entry 2 time period is applicable.

Interior + Entry Follower

Generally used for motion detectors and/or interior doors (for example, foyer), which would have to be violated after entry in order to unset the system, as follows:

- In Away (Full Set) mode behaves as an Entry Follower zone.
- In Stay mode, the zone will be omitted.

Interior + Intruder (Instant)

Usually intended for non-exit/entry doors, window protection, shock detection and motion detectors.

- In Away (Full Set) mode behaves as an Intruder (instant) zone.
- In Stay mode, the zone is omitted.

Entry Follower + Stay

Assigned to motion detectors and to interior doors protecting the area between the entry door and the keypad, as follows:

- In Away (Full Set) mode behaves like an Entry Follower Zone.
- In Stay mode behaves like an Exit/Entry 1 zone.

24 Hours

Usually assigned to protect non-movable glass, fixed skylights, and cabinets (possibly) for shock detection systems.

A violation of such a zone causes an instant intrusion alarm, regardless of the system's state.

Fire

For smoke or other types of fire detectors. This option can also be used for manually triggered panic buttons or pull stations (if permitted), as follows:

If violated, it causes an immediate fire alarm, fire report to the alarm receiving centre.

Panic

Used for external panic buttons and wireless panic transmitters.

If violated, an immediate panic alarm is sounded (if the zone sound is not defined as silent or Audible Panic system control is enabled), regardless of the system's state and panic report is send to the alarm receiving centre. An alarm display will not appear on the keypads.

Zones: Parameters

Parameter **Default** **Range**

Special

For external auxiliary emergency alert buttons and wireless auxiliary emergency transmitters.

If violated, an immediate auxiliary emergency alarm is sounded, regardless of the system's state and report is sent to the alarm receiving centre.

Tamper

For tamper detection. This zone operates the same as 24 hours zone, but it has a special reporting code.

Note: For this zone type the zone sound is determined according to the Tamper Sound defined under System → Sound → Tamper

Water (Flood)

For flood or other types of water detectors. This zone operates the same as 24 hours zone, but it has a special flood report code. (See *Appendix A Report Codes)*

Gas

For Gas (natural gas) leak detector. This zone operates the same as 24 hours zone, but it has a special gas report code. (See *Appendix A: Report Codes)*

CO

For CO (Carbon Monoxide) gas detectors. This zone operates the same as 24 hours zone, but it has a special CO report code. (See *Appendix A: Report Codes)*

High Temperature

For detector temperature (hot or cold). This zone operates the same as 24 hours zone, but it has a special report code. (See *Appendix A: Report Codes)*

Low Temperature

For detector temperature (hot or cold). This zone operates the same as 24 hours zone, but it has a special report code. (See *Appendix A: Report Codes)*

Technical

This zone operates the same as 24 hours zone, its report code should be manually set according to the relevant detector connected to the zone.

Final Exit

Zones of this type must be the last detector to be activated on exit or the first detector to be activated on entry.

When setting the system, the related partition will set 10 seconds after this zone is closed, or opened and then closed. After it is triggered once, the zone acts as an exit (open)/entry 1 zone.

Zones: Parameters

Parameter	Default	Range

Exit Termination

This type of zone is used to avoid a false alarm by acting like an Exit (OP)/Entry zone.

When triggered (after setting the system and closing the door **or** opening the door, setting the system, and closing the door), the system's Exit Delay time period will be shortened to 10 seconds.

When you re-open the door, the entry time restarts.

Note: Exit Termination requires allocation of at least one Exit/Entry zone type in the partition.

PO Trigger

For a device or zone, which if violated at any time triggers a previously programmed Programmable Output, capable of activating an external indicator, relay, appliance, and so on.

Day

Usually assigned to an infrequently used door, such as an emergency door or a movable skylight. Used to alert the system user if a violation occurs during the unset period (fault by day; intruders at night), as follows:

- With the system set (either Full or Part Set), the zone acts as an intruder zone. A violation of this zone after the system is set or during the Exit Delay time period causes an immediate intrusion alarm.
- With the system unset, a violation of this zone attempts to alert the user by causing the ⚠ (Fault) LED to flash rapidly. This directs the user to view the system's status.

Optionally, such a violation can be reported to the Alarm Receiving Centre as a Zone Fault.

Pulsed Key Switch

Connect an external momentary action key switch to any zone given this designation. This zone will set/unset the partitions assigned to it.

Pulsed Key Switch Delayed

Used to apply the Exit/Entry Delay 1 parameter to the Pulsed Key Switch zone.

Zones: Parameters

Parameter	Default	Range
Latched Key Switch		
Connect an external SPST latched (non-momentary) key switch follows: ♦ After setting one or more partitions using the key switch and then unsetting using the keypad, the related partitions will be unset. In order to set the partition using the key switch again, turn the key to the unset position and then to the set position. ♦ If a key switch latch is assigned to more than one partition and one of the partitions is set by using the keypad (the key switch stays in the unset position), then: - When changing the position of the key switch to the set position, all the unset partitions, which belong to this key switch, will be set. - When turning the key switch to the unset position, all the partitions will be unset.		
Latch Key Switch Delay		
Used to apply the Exit/Entry Delay 1 parameter to the latched key switch zone.		
Keybox		
(Designed for the Danish market) A keybox is defined as a physical container in which to place the house keys. The Agility keybox zone behaves as follows: ♦ Opening a key box zone (regardless of system setting status) sends a message to the alarm receiving centre and recorded in the event log. ♦ There will be no indication on the screen that this zone is open. ♦ Tampering a keybox causes a tamper alarm. ♦ If this zone is open, then the system can be set.		
Open Delay		
Use this zone for a door when used with slim keypads defined as omit mode. This zone behaves as follows: ♦ If the system is set and the zone is opened without omit code approval (see 41), the zone acts as an instant zone. ♦ If the system is set and the zone is opened during the *Omit Entry Timer (see page 36),* it acts as an exit/entry zone. ♦ When the system is unset, this zone activates as an Exit(open) /Entry zone.		
Sound	Bell+Buzzer	
Contains parameters that enable you to program the sound produced when a system zone triggers an alarm for the time defined under the Bell Time Out parameter.		
Silent		

Parameter	Default	Range
Produces no sound		
Bell		
Activates the wireless sounders (internal or external) and alarm from the main unit assigned to the partitions of the zone.		
Buzzer (main unit)		
Activates the internal buzzer on the main unit.		
Bell + Buzzer		
Activates the wireless sounders and sounder on the main unit simultaneously.		
Bell/Set Buzzer/Unset		
In a case of alarm, the following occurs: ♦ In Setmode, the wireless sounder will operate. ♦ In Unset mode, only the buzzer on the main unit will operate.		
Advanced programming		
Chime	None	
The **Chime** parameter is used as an audible indication to a zone violation while the system is Unset. Define which sound occurs when violated: Options: ♦ None ♦ Buzzer (Main unit) ♦ Chime Sound 1 ♦ Chime Sound 2 ♦ Chime Sound 3 ♦ Zone message		
Controls		
Supervision	YES	YES/NO
Choose which zone will be supervised by the system receiver according to the time defined under the timer RX Supervision. *(See page 35)*		

Zones: Parameters

Parameter	Default	Range
Forced Setting	NO	YES/NO

This option enables or disables the use of forced setting for each of the system's zones, as follows:

- If forced setting is enabled for a particular zone, it allows the system to be set even though this zone is faulty.
- When a zone(s) enabled for forced setting is faulted, the ✓ LED blinks during the unset period.
- After setting, all zones enabled for forced setting are omitted at the end of the **Exit Delay** time period.
- If a faulted zone (one enabled for force setting) is secured during the set period, it will no longer be omitted and will be included among the system's set zones.

Parameter	Default	Range
No Activity	NO	YES/NO

Determines whether the zone participates in the No Activity function. The No Activity function is for reception of signals used to monitor the activity of sick, elderly or disabled people. See Timer "No Activity" on page 35.

Parameter	Default	Range
LED Enable Y/N (Only for 2 Way PIR and 2 Way WatchOUT)	YES	YES/NO

Defines the LED operation mode.

YES: Detector's LED activated

NO: Detector's LED deactivated

Parameter	Default	Range
Abort Alarm	YES	YES/NO

This parameter defines whether a zone alarm report to the alarm receiving centre will be immediate or delayed:

YES: A report to the ARC will be delayed according to the Abort Time Delay parameter (Communication→ARC→ARC Times→Abort Alarm).

Note: If a valid User Code is entered to reset the alarm within the cancel delay time (Communication→ARC→ARC Times→Cancel Report), a cancel report alarm code will be sent to the Alarm Receiving Centre.

NO: A report to the ARC will be sent immediately.

Zones: Parameters

Parameter	Default	Range
Sensitivity (Only for a relevant 2 Way zone device)		
Defines the PIR Sensitivity of the detector. o Low o Medium (2 Way zone device) o High o Maximum (2 Way zone device)		
Camera Parameters (Only for 2 Way eyeWAVE PIR Cameras)		
Images at Alarm	3	(1–7)
Specifies the number of images to be captured when an alarm event occurs.		
Image Interval	1.0	0.5, 1.0, and 2 seconds
Specifies the time in between image captures.		
Image Pre- Alarm	YES	YES/NO
Specifies if an image capture is to be performed upon each System Full setting. The picture is sent only in the event of an alarm occurrence, together with the alarm images.		
Image Resolution	QVGA	QVGA (320X240) VGA (640X480)
Specifies image quality, as defined by pixel resolution. A QVGA image file is approximately 7 Kb and VGA image file is 18 Kb		
Image Quality	High	High/Low
Specifies the extent of jpeg image lossy compression (Low=more compression, smaller file size; High=less compression, larger file size)		
Colour Image	YES	YES/NO
Specifies whether the captured and transmitted photographic image is to be colour or black and white.		
X73 Parameters		
This section refers to the programming options of the two-way magnetic contact RWX73M and RWX73F. The programming options		
RWX73 M Parameters		
The RWX73M is a 2-way supervised transmitter that combines Magnetic/Door contact against opening doors and windows with additional universal input. The RWX73M operates with RISCO Group 2-Way wireless systems		

Zones: Parameters

Parameter	Default	Range
Magnet	Enable	**Enable/Disable**
Enable or disable the transmitter’s magnet.		
Alarm Hold On	On	On/Off
Use this parameter to define the minimum period between alarm broadcasts. **ON:** Only one alarm message is transmitted in any 2.5 minute time-period OFF: Alarm detection is immediately transmitted		
Input Termination (IN 1):	NO	**NO**/NC/DEOL
Use this parameter to program the connection type used for each of the system's zones. **N/O**: Uses normally-open contacts and no terminating End-of-Line Resistor. **N/C**: Uses normally-closed contacts and no terminating End-of-Line Resistor. **DEOL**: Uses normally-closed (NC) contacts in a zone using two 10 KΩ of End-of-Line Resistors to distinguish between alarms and tamper conditions.		
Input Response Time	500	10–500 ms
Set the duration for which a zone violation must exist in order for the zone to trigger an alarm condition.		
RWX73 F Parameters (Universal/Shutter mode)		
The RWX73F is a 2-way multi-function supervised transmitter with two separate channels that combines Magnetic/Door contact (universal or shutter). The RWX73F has two reed switches for protection against opening doors and windows, and against any attempt to tamper the detector using large magnets. The RWX73F operates with RISCO Group 2-Way wireless systems		
Alarm Hold On	On	On/Off
Use this parameter to define the minimum period between alarm broadcasts. **ON:** Only one alarm message is transmitted in any 2.5 minute time-period **OFF**: Alarm detection is immediately transmitted		
Input 2 Termination (External Zone):	NO	**NO**/NC/DEOL

Parameter	Default	Range
Use this parameter to program the connection type used for Input 2. **N/O**: Uses normally-open contacts and no terminating End-of-Line Resistor. **N/C**: Uses normally-closed contacts and no terminating End-of-Line Resistor. **DEOL**: Uses normally-closed (NC) contacts in a zone using two 10 KΩ of End-of-Line Resistors to distinguish between alarms and tamper conditions. **Shutter**: Specifies that the Input 2 will count the number of open and close pulses received. If the zone exceeds the predefined number of pulses, the zone will be tripped and act according to its type definition. After a 25-second timeout, the pulse counter is restarted. The pulse length is the currently defined Loop Response time period.		
Input 2 Response Time	500	10–500 ms
Set the duration for which a zone violation must exist in order for the zone to trigger an alarm condition.		
Shutter Pulse	02	01-16
Define here the number of pulses for the input.		

RWX73 F Parameters (Universal mode)

The RWX73F is a 2-way multi-function supervised transmitter with two separate channels that combines Magnetic/Door contact (universal).

The RWX73F has two reed switches for protection against opening doors and windows, and against any attempt to tamper the detector using large magnets.

The RWX73F operates with RISCO Group 2-Way wireless systems

Parameter	Default	Range
Magnet	Enable	**Enable/Disable**
Enable or disable the transmitter's magnet.		
Alarm Hold On	On	On/Off
Use this parameter to define the minimum period between alarm broadcasts. **ON:** Only one alarm message is transmitted in any 2.5 minute time-period OFF: Alarm detection is immediately transmitted		
Input 1 Termination (External Zone):	NO	**NO**/NC/DEOL
Use this parameter to program the connection type used for Input 2. **N/O**: Uses normally-open contacts and no terminating End-of-Line Resistor. **N/C**: Uses normally-closed contacts and no terminating End-of-Line Resistor. **DEOL**: Uses normally-closed (NC) contacts in a zone using two 10 KΩ of End-of-Line Resistors to distinguish between alarms and tamper conditions.		
Input 1 Response Time	500	10–500 ms

Zones: Parameters		
Parameter	**Default**	**Range**
Set the duration for which a zone violation must exist in order for the zone to trigger an alarm condition.		
Anti-Sabotage	Disable	Enable/**Disable**
Enable or disable the transmitter's anti-sabotage magnet.		
Two-way Smoke Detector Parameters		
Operation Mode		Smoke/Heat/ Smoke + Heat
Set operation mode of the two-way smoke detector (model RWX34S): Smoke Only: Smoke alarm only Heat Only: Heat alarm only Smoke + Heat: Smoke or heat alarm		

Alarm Confirmation

The Alarm Confirmation menu enables to define protection against false alarms and will be used for alarm verification.

Zones: Alarm Confirmation		
Parameter	**Default**	**Range**
Confirm Partition		
Defines which partitions will be defined for alarm sequential confirmation. Each confirmed partition has a separate timer, which is equivalent to the confirmation time defined in "Confirmation Time Window". A confirmed intruder alarm will be reported if two separate alarm conditions are detected in the same confirmed partition, during the confirmation time.		
Confirm Zones		
Define which zones will be defined for alarm sequential confirmation. When the first zone goes into alarm the system transmits the first zone alarm. When the second zone goes into alarm, during the confirmation time, the panel transmits the zone alarm and the confirm code.		

Notes:

1. A confirmed zone will be part of the sequential confirmation only if the partition in which the alarm occurs is defined as confirmed partition as well.
2. Any Code can reset a confirmed alarm.
3. If the first zone is violated and not restored until the end of the confirmation time (no second zone alarm), than this zone will be excluded from the confirmation process until the next setting.

Soak Test

The Soak Test feature is designed to allow false alarming for predefined detectors to be omitted from the system, while any alarms generated are displayed to the user for reporting to the ARC. This is especially useful if Police response withdrawal is being threatened and a particular zone is causing unidentified problems.

Each zone can be placed on Soak Test. Any zone placed in the Soak Test list is omitted from the system for 14 days and is automatically reinstated after that time if NO alarms have been generated by it.

If a zone in the Soak Test list has an alarm during the 14-day period, the keypad indicates to the user that the test has failed. After the user looks at the View Fault option, the fault message will be erased. This will be indicated in the event log, but no alarm will be generated. The alarmed zone's 14-day Soak Test period is then reset and restarted.

Cross Zones

The **Zone Crossing** menu is used for additional protection from false alarms and contains parameters that enable you to link together two related zones. Both must be violated within a designated time period (between 1 and 9 minutes) before an alarm occurs.

This type of linking is used with motion detectors in *hostile* or *false-alarm prone* environments. **Default:** No cross zoning

Zones: Zone Crossing

Parameter

1st Zone

The 1st zone of a pair of zone defined for zone crossings.

2nd Zone

The 2nd zone of a pair of zone defined for zone crossings.

Time

The amount of time allowed between the triggering events for both zones to be considered a valid violation

Correlation Type

Determine how the Agility will process violations of the paired zones.

- Not correlate: Temporarily disables any associated zone pairings
- Ordered correlate: Effects an alarm so the first listed zone is tripped before the second
- Not ordered correlate: Affects an alarm in which either zone in the pair may be tripped first. If this case, the specified zone order (1st, 2nd) has no bearing on the alarm activation.

Note: Zones crossed within themselves are valid pairs. They need to register a violation twice to trigger the alarm. This process is known as Double Knock.

2.2.2 Remote Controls

The **Remote Controls** menu defines the operation of the remote controls. Up to 8 remote controls can be assigned to the system. The system supports 2 types of remote controls:

- One Way Remote Controls (4 button)
- Two Way (bidirectional) Remote Controls (8 button)

Parameters

The programming options under the parameters menu vary according to the type of the remote control.

One Way Remote Control Parameters

Each one way remote control consists of 4 buttons, and each button can be programmed to a different mode of operation.

Remote Controls Parameters: One Way Remote Controls

Parameter
Label
A label identifying the user of the remote control.
Serial Code
The internal ID number of the remote control. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote control.
Partition
Assign the relevant partitions for the selected remote control.
Button 1 (🔒)
Set the operation of button 1 of the remote control from the following options: o None: Button disabled. o Set: The button is used for Full setting of the remote control's partitions. o Part Set: The button is used for Part setting of the remote control's partitions.
Button 2 (🔓)
Set the operation of button 2 of the remote control from the following options: o None: Button disabled. o Unset: The button is used for unsetting its assigned partitions.

Remote Controls Parameters: One Way Remote Controls

Parameter

Button 3

Set the operation of button 3 (Small blank button) of the remote control from the following options:

- None: Button disabled.
- Panic: The button is used to send a panic alarm.
- Status: Main unit broadcast of system status
- PO Control (1-20): The button is used to operate a single Programmable Output.

Button 4

Set the operation of button 4 (Large blank button) of the remote control from the following options:

- None: Button disabled.
- Set: The button is used for Full setting of the remote control's partitions.
- Part Set: The button is used for Part setting of the remote control's partitions.
- PO Control (1-20): The button is used to operate a Programmable Output.

Two Way Bi-directional Remote Controls

The bi directional remote control is an 8 button rolling code wireless transmitter designed for remote system operation. Being bi-directional enables each command that is sent to the panel to receive a reply status indication back from the panel using its 3 color LEDs and internal buzzer sounder. For higher security, commands can be defined to be activated with a 4 digit PIN code.

Remote Controls Parameters: 2 Way Remote Control

Parameter

Label

A label identifying the user of the remote control.

Serial Code

The internal ID number of the remote control. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote control.

Partition

Assign the relevant partitions for the selected remote control.

PIN Code

4 digit PIN code used for higher security when sending commands from the remote control. The code can be comprised from digits 1,2,3,4.

Note: The use of the PIN code depends on the control *Quick PO or* system control *Quick Set*

Panic Function

Define whether sending panic alarm from the remote control is permitted. If permitted, pressing on keys 1🔒 and 🔒2 simultaneously for 2 seconds on the will send a panic alarm**.**

PO Key 1/2/3
Each remote control can activate up to 3 outputs. Assign to each of the keys 1-3 the relevant output.

Controls

The Controls menu options are used for both types of remote controls.

Remote Controls: Controls

Control	
Instant Set	NO
YES: Full setting from any remote control will be instant. **NO**: Full setting from any remote control will be delayed, following exit delay 1.	
Instant Stay	NO
YES: Part setting from any remote control will be instant. **NO**: Part setting from any remote control will be delayed, following exit delay 1.	
Unset + Code (For 2 Way Remote Controls)	NO
Defines if a PIN code is required to perform the unset operation while using any of the bidirectional remote controls.	

Parent Control

The Parent Control option is used to monitor the activity of children. This option allows you to monitor when the children arrive home and unset the system or when they set the system in Full Set, using a remote control or the keypad. With each activation/deactivation of the system a message is sent to a specified Follow Me number.

After selecting this option, using the 🔒key, define which of the remote controls are authorized with this feature and which are not.

2.2.3 Keypads

The system can support up to 3 wireless keypads, of two kinds: LCD or Outdoor/Indoor Slim.

For detailed information regarding the operation of the keypads refer to the instructions supplied with the product**.**

Parameters

Keypads: Parameters

Parameter	Default	Range

Keypads: Parameters

Parameter	Default	Range
Label		

A label identifying the keypad

Serial Code		

The internal ID number of the keypad. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote keypad.

Emergency Keys	YES	YES/NO

Defines whether the following keys will operate as emergency keys

LCD:

- Press Keys ④ and ⑤ simultaneously to send a fire alarm.
- Press Keys ⑦ and ⑧ simultaneously to send an emergency alarm.

Slim:

- Press buttons 1 + 2 simultaneously for two seconds to send a panic alarm
- Press buttons 3 + 4 simultaneously for 2 seconds to send a fire alarm
- Press buttons 5 + 6 simultaneously for 2 seconds to send an emergency / medical alarm

Function Key (Only LCD keypad)	Panic	

Defines the operation of the ( ) keys for each keypad.

- Disable: Keys disabled.
- Panic: Send a panic alarm to the alarm receiving centre.
- ARC Listen-In & Talk: The system dials the Alarm Receiving Centre to establish 2-way communication.

PO Control		

Assign outputs that will be activated by a long press on keys ①②③ on the bidirectional keypad.

Notes:

Outputs can be assigned only if I/O is assigned to the system.

Each keypad can activate different outputs.

Only outputs defined as *Follow Code* can be activated by the keypad keys

Mode (only for slim keypad)

Use this parameter to define the slim keypad operation mode.

1. Set/Unset: the slim keypad is to have full user control of the system.
2. Omit: designed for the Danish market; the slim keypad is to operate in omit mode.

Note: For further information, see the keypad documentation.

Door Bell Sound (only for slim keypad)

Use this parameter to define the chime sound (broadcast by the main unit) when the slim keypad door chime button (🔔) is pressed as follows:

- None
- Chime sound 1/2/3

Controls

The Controls menu defines programming options that are used for all keypads.

Keypads: Controls

Parameter	Default	Range
RF Wake-up	NO	YES/NO

Determines whether the system can wake the keypad up during exit/entry times or when failing to set the system.

YES: The system wakes up the keypad.

NO: The system cannot wake up a keypad. Use this option to save battery life. (Default)

2.2.4 Sounders

The **Sounders** menu enables to define all parameters of external and internal wireless sounders that can be connected to the system. Up to 3 sounders can be added to the system.

For detailed information regarding the operation of the sounders refer to the instructions supplied with the product.

Wireless Device: Sounders

Parameter	Default	Range
Label		

A label identifying the sounder.

Serial Code

The internal ID number of the sirens. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the sounder.

Partition

Assign the partitions that will affect the sounder operation.

Wireless Device: Sounders

Parameter	Default	Range
Supervision	YES	
Choose if the sounder will be supervised or not.		
Volume	9	0-9
Define the volume of the sounder for the following scenarios in the system.		
Alarm Volume	9	0-9
The sound volume produced during an alarm (0 indicates silence).		
Squawk Volume	9	0-9
The sound volume produced during squawk sounds (0 indicates silence).		
Exit/Entry Volume	9	0-9
The sound volume produced during exit/entry time. (0 indicates silence).		
Strobe (External sounder only)		
Defines the parameters for the strobe of the external sounder.		
Strobe Control		
Defines the Strobe operation mode: o Always off: The strobe is deactivated o Follow Bell: The strobe is activated once when the sounder bell is triggered o Follow Alarm: The strobe is activated when an alarm event occurs in the system		
Strobe Blink	40	
Defines the number of times that the strobe will blink in a minute: o 20 times per minute o 30 times per minute o 40 times per minute o 50 times per minute o 60 times per minute		
Strobe Set Blink	05	00-20
Defines the time that the strobe will blink when the system is set.		

2.2.5 I/O Wireless Expander

The **Wireless Input/Output Expander** is a self powered device enabling system control of additional 4 wired zones and has home automation capabilities. With the I/O Expander the system can control 4 outputs and 16 home automation units employing the X10 protocol.

Wired Zones

The 4 inputs on the I/O Expander are regarded as zones 33-36 in the system.

I/O Expander: Wired Zones

Parameter	Default	Range
Label		
A label identifies the zone in the system. (up to 16 characters).		
Partition	1	
The partitions assignment for each zone.		
Type	Intruder	
Contains parameters that enable you to program the zone type for any zone. Refer to the list of options for the Zone Type on page 52.		
Sound	Bell	
Contains parameters that enable you to program the sound produced when a system zone triggers an alarm for the time defined under the Bell Time Out parameter. Refer to the list of options for the Zone Sound on page 57.		
Advanced programming		
Chime	None	
The **Chime** parameter is used as an audible indication to a zone violation while the system is Unset. When violated, the main unit can sound one of the 5 available chime options.		
Control		
Forced Setting		
Define whether the zone can be force set or not. For more information regarding the force setting feature refer to page 59.		
No Activity		
Determines whether the zone participates in the No Activity function. The No Activity function is for reception of signals used to monitor the activity of sick, elderly or disabled people. For more information regarding the force setting feature refer to page 59.		

I/O Expander: Wired Zones

Parameter **Default** **Range**

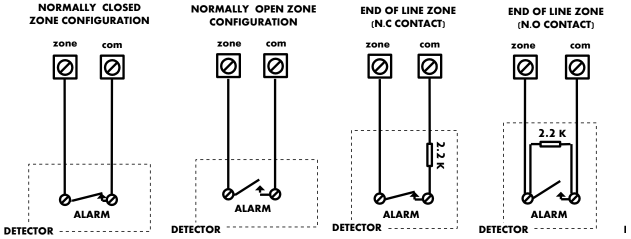
Abort Alarm

This parameter defines whether a zone alarm report to the alarm receiving centre will be immediate or delayed. For more information regarding the force setting feature refer to page 59.

Termination

The Termination menu enables you to program the connection type used for the wired zones 33-36. The actual (physical) termination for each zone must comply with that selected in the zone termination menu.

- N/C: (Normally Closed) Uses normally-closed contacts and no terminating End-of-Line Resistor.
- N/O: (Normally Open) Uses normally-open contacts and no terminating End-of-Line Resistor
- EOL: (End of Line) Uses normally-closed (NC) and/or normally-open (NO) contacts in a zone terminated by a supplied 2200Ω End-of-Line Resistor


NORMALLY CLOSED ZONE CONFIGURATION
zone
com
ALARM
DETECTOR
NORMALLY OPEN ZONE CONFIGURATION
zone
com
ALARM
DETECTOR
END OF LINE ZONE (N.C CONTACT)
zone
com
2.2 K
ALARM
DETECTOR
END OF LINE ZONE (N.O CONTACT)
zone
com
2.2 K
ALARM
DETECTOR

Loop response

The Loop Response menu enables you to set the different times for which a wired zone violation must exist before the zone will trigger an alarm condition.

The following option are available:

Normal 400 ms	0.5 hours	2 hours	3.5 hours
Slow: 1 second	1 hour	2.5 hours	4 hours
Fast: 10 ms	1.5 hours	3 hours	

Detection Mode

- Normal (Default): 2.5 minutes dead time between alarm detections transmissions.
- Fast (Walk Test): Alarm detection is immediately transmitted.

Output Parameters

The I/O expander has 4 physical outputs on board. (2 relay 3Amp and 2 Transistor Outputs (500 mA)

I/O Expander: Output Parameters

Parameter	Default	Range

Label

A label identifies the output in the system.

Type

There are 4 types of outputs in the system as follows

- **Not Used**
- **Follow System**: The programmable output will follow a System Event
- **Follow Partition**: The programmable output will follow a Partition Event.
- **Follow Zone**: The programmable output will follow a Zone Event. Each Programmable Output can be activated by a group of up to five zones.
- **Follow Code:** The programmable output will be activated by a user defined as PO Control or from the user programming menu.

Follow System Events:

Bell

Activates when a bell is triggered. If a bell delay was defined, the programmable output will be activated after the delay period.

No Telephone Line

Activates when a telephone line fault is detected. If a **PSTN Lost Delay** time period is defined, the programmable output will be activated after the delay time

Alarm Receiving Centre Communication Fail

Activates when communication with the Alarm Receiving Centre cannot be established.

Deactivates after a successful call is established with the Alarm Receiving Centre.

General Fault

Activates when a system fault condition is detected.

Deactivates after the fault has been corrected

Main unit Low battery

Activates when the Agility battery has insufficient reserve capacity and the voltage decreases to 6V.

Parameter	Default	Range
AC Loss		
Activates when the source of the Main Panel's AC power is interrupted. This activation will follow the delay time defined in the system control times and the **AC Off Delay Time** parameter.		
Bell intruder		
Activates the Programmable Output after any bell intruder alarm in any partition in the system.		
Scheduler		
The programmable output will follow the predefined time programming that is defined in the scheduler of the weekly programs for programmable output activation.		
Tamper		
Activates the programmable output when a Tamper occurs in the system.		
Duress		
Activates the Programmable Output when a duress alarm is initiated by any user defined as duress code.		
GSM Fault		
Activates the programmable output when there is fault in the GSM module.		
Follow Open Delay		
This output is activated once an Entry Omit (see 36) timer starts. The output is designed to be part of the omit keypad solution for the Danish market. The output behavior depends on the output pattern as follows: **Pulsed**: Use this option to activate an electronic lock. The time duration is as defined by the engineer under **Pulse Duration Length** (see page 77). **Latched**: While the system is unset, entering an omit code will activate the output like an access control reader. Output operation using the omit code during unset mode will not be registered in the event log. During Full set mode, opening an Open Delay zone (during the Omit Entry Time) will shorten the output time to 3 seconds.		
Door Bell		
Activates the Programmable Output when a door button is pressed on a slim keypad. This output operates only as a pulse output (as defined by Pulse Duration Length (see page 77)		
Follow Partition Events:		
Ready		

I/O Expander: Output Parameters

Parameter	Default	Range
Activates the programmable output when all the selected partition(s) are in the Ready state.		
Set Activates the programmable output when the selected partition(s) is set in Full Set mode. The programmable output will be activated immediately, regardless of the Exit Delay time period.		
Unset Activates the Programmable Output when the selected partition(s) is unset.		
Alarm Activates the Programmable Output when an alarm occurs in the selected partition(s).		
Intruder alarm Activates the programmable output when an intrusion (Intruder) alarm occurs in the selected partition(s).		
Fire Activates the programmable output when a fire alarm is triggered in the selected partition(s) from the keypads or a zone defined as Fire.		
Panic Activates the programmable output when a panic alarm is triggered in the selected partition(s) from the keypads, remote controls or a zone defined as Panic.		
Special Activates the programmable output when a special alarm is triggered in the selected partition(s) from the keypads or a zone defined as Special.		
Exit/Entry Activates the Programmable Output when the selected partition(s) initiates an Exit/Entry Delay period.		
Zone Omit Activates the Programmable Output when the relevant partitions are in PART or FULL mode and any zone in the relevant partitions is omitted.		
Auto Set Alarm Activates the programmable output when there is a not ready zone at the end of the pre- warning time during an auto-set process. The output restore shall be on Bell-Timeout or at user Unset.		

I/O Expander: Output Parameters

Parameter Default Range

Zone Lost

Activates the programmable output when there is a lost wireless zone in the system. The output restore shall be on Bell-Timeout or at user Unset.

Stay Follow

Activates the Programmable Output when the selected partition(s) is set in Part Set mode.

Chime Follow

Activates the Programmable Output following a chime sound in the selected partition(s)

Bell Stay Off

This parameter causes the programmable output to function as follows:

- In Full setting mode, the programmable output will follow the bell activation in the defined partitions.
- In Part setting mode, the programmable output will not be activated.

Bell

Activates the programmable output when one of the defined partitions is in Alarm mode and the bell is triggered. This enables the connection of different sirens to different partitions.

No Activity

Activates the programmable output when an event of NO ACTIVITY occurs in the system. . The No Activity function is for reception of signals used to monitor the activity of sick, elderly or disabled people

Confirmed alarm

Activates the programmable output when a confirmed alarm occurs in the system.

Follow Zone Events:

Zone

Activates the programmable output when the selected zone is tripped.
The tripped zone need not be set to trigger the Programmable Output.

Alarm

Activates the programmable output when the selected zone causes an alarm.

Set

Activates the programmable output when the selected zones are set.

Unset

I/O Expander: Output Parameters

Parameter	Default	Range

Activates the programmable output when the selected zones are unset.

Follow User Code:

Defines the User Code(s) for triggering the selected PO. The activation of the PO is performed from the User Activities menu. Use the 🔒 key to toggle between **[Y] YES** or **[N] NO** for each user chosen to trip the designated Programmable Output.

Pattern

For each output you need to define the pattern of operation. The available options are:

Pulse N/O (Normally Open)

The programmable output is always Deactivated (N/O) before it is triggered (pulled up).

When triggered, it activates (pulled down) for the Pulse Duration specified, then deactivates automatically.

Latched N/O (Normally Open)

The Programmable Output is always Deactivated (N/O) before it is triggered (pulled up). When triggered, it activates (pulled down) and remains activated (latched) until the operation is restored.

Pulse N/C (Normally Closed)

The programmable output is always Activated (N/C) before it is triggered (pulled down to negative). When triggered, it deactivates for the Pulse Duration specified below and then reactivates automatically.

Latched N/C (Normally Close)

The Programmable Output is always Activated (N/C) before it is triggered (pulled down to negative). When triggered, it deactivates and remains deactivated (latched) until the operation is restored.

Activation / Deactivation

When the programmable output is following more than one partition or zone, the engineer can choose the logic of the Programmable Output activation as follows:

- If the pattern operation of the output is defined as **Latch N/O** or **Latch N**/C, the **activation and deactivation** of the outputs can follow either after **all** the Partitions/Zones or after **any** of the Partitions/Zones.
- **If the Pattern** operation of the output is defined as **Pulse N/O** or **Pulse N/C**, the **activation** of the outputs can follow either after **all** the Partitions/Zones or after **any** of the Partitions/Zones. The **deactivation** operation follows the defined time period.

Parameter	Default	Range
Pulse Duration Length	05 sec	01-90

I/O Expander: Output Parameters

Parameter	Default	Range
The time that an output defined as Pulsed N.O or Pulsed N.C will be activated. At the end of the pulse duration the output reactivates automatically.		

X-10 Outputs

The wireless I/O expander enables the system to control X – 10 devices. The I/O expander converts the information sent from the programmable programmable output into the X–10 protocol. Up to sixteen X-10 devices can be activated. These are recognized in the system as outputs 5-20.

I/O Expander: X-10 Outputs

Parameter	Default	Range
Label		
A label identifies the output in the system		
Type		
Refer to the explanation under the programmable output section.		
Pattern		
Refer to the explanation under the programmable output section.		
Pulse Length	05 sec	01-90
Refer to the explanation under the programmable output section.		

Parameters

The following table describes the general parameters for the I/O module.

I/O Expander: Parameters

Parameter	Default	Range
Serial Code		
The internal ID number of the I/O Expander. Each wireless device has its own unique serial number.		
Controls		
I/O Expander Supervision		
Choose if the I/O Expander will be supervised or not.		
Quick Output Operation		
A user can activate a PO from the bidirectional remote control or keys ① ② ③ on the wireless keypad without the need to enter his user code.		
X-10 House ID		
Defines the house code, which matches the code defined by the X-10 modules.		

I/O Expander: Parameters

Parameter	Default	Range
PO DTMF Control		
The Agility enables to activate 8 programmable outputs from remote DTMF phone. To operate a PO via the telephone you must assign a specific PO to a digit on the phone.		

2.3 Identification

This option provides the ability to identify the serial number of a wireless device in the system from a keypad or from the configuration software.
When using a keypad follow this procedure:

Go to **Programming → Radio Devices Menu → Identification** and press #?. The following message appears on the keypad LCD:

```
Please start RF
identification
```

Press on the device's Learn mode. The serial number of the relevant device appears on the keypad LCD.

3. Programming: Codes Menu

The **Codes** menu provides the ability to define parameters and codes for the system users.

3.1 User

User rights can be defined by allocating each user a specific authority level and specific partitions. Up to 32 users can be defined in the system.

Codes: User Codes

Parameter	Default

Labels

Used to define the user name. Up t o 32 characters can be used.

Partition

Enables you to assign the partition(s) in which all User Codes (except for the Grand Master) will operate.

Authority Level

Allocate an authority level to a user according to the following list:

- **User**: There are no restrictions in the number of User Codes (as long as they do not exceed the number of codes remaining in the system). The User has access to the following:
  - Setting and unsetting
  - Omitting zones
  - Viewing system status, fault, and alarm memory
  - Activating designated Programmable Outputs
  - Changing his/her own User Code
  - Setting keypad's settings
- **Cleaner**: The Cleaner Code is a temporary code, which is to be immediately deleted from the system as soon as it is used to set. This code is typically used for maids, home attendants, and repairmen who must enter the premises before the owner(s) arrive. These codes are used as follows:
  - For one-time setting in one or more partitions
  - If first used to unset the system, the code may be used once for subsequent setting
- **Set Only**: There are no restrictions in the number of Set Only Codes (as long as they don't exceed the number of codes remaining in the system). Set Only Codes are useful for workers who arrive when the premises are already open, but because they are last to leave, they're given the responsibility to close the premises and set the system. The users with Set Only Codes have access for setting one or more partitions.

Parameter	Default
Duress: When coerced into unsetting the system, the user can comply with the intruder's wishes while sending a silent duress alarm to the Central Station. To do so, a special duress code must be used, which when used, will unset the system in the regular manner, while simultaneously transmitting the duress alarm. In any other situation the Duress authority level behaves as the same as the User authority level.	
Door Omit: Use this authority level when the slim keypad reader is defined in Omit mode. The authorization code defined here initiates the Omit Entry Timer (see page 36). This authority is recognized only on a slim (not LCD) keypad.	

3.2 Grand Master

The Grand Master Code is used by the system's owner and is the highest Authority Level. The owner can set/change the Grand Master Code.
Default: 1234

Note: In the Configuration software the Grand Master is identified as Code 00.

3.3 Engineer

The Engineer Code provides access to the Engineer Programming menu, allowing modification of all system parameters. The Engineer Code is used by the **Agility** installation company technician to program the system.
The Engineer can change the Engineer Code.
Default: 0132

3.4 Sub-Engineer

The Sub-Engineer Code allows limited access to selected parameters from the Engineer Programming menu. It is used by a technician sent by the **Agility** installation company to carry out restricted tasks defined at the time of system installation by the installation technician. The Sub-Engineer can access with his code only those programming menus predefined for his access. Default: 0232
The Sub-Engineer is prohibited to access the following parameters:

- Default Enable
- ARC Enable
- Configuration Software Enable
- Code Length
- Engineer Code

Note: In the Agility Configuration Software, the Configuration Software and Monitoring Station menus are unavailable to the sub-engineer.

3.5 Code Length

The Code Length specifies the minimum number of digits requested. Default: 4 digits

Notes:

When you change the **Code Length** parameter, all User Codes are deleted and must be re-programmed or downloaded.

For a 6-digit Code Length system, 4-digit default codes like **1-2-3-4** (Grand Master), **0-1-3-2** (Engineer), and **0-2-3-2** (Sub-Engineer) become **1-2-3-4-0-0**, **0-1-3-2-0-0**, and **0-2-3-2-0-0**, respectively.

If you change the **Code Length** back to 4 digits, the system codes are restored to the default 4-digit codes.

EN50131-3 standard specifications:

- All code length are 4 digits: xxxx
- For each digit 0-9 can be used
- All codes from 0000 to 9999 are acceptable
- Invalid codes cannot be created since after 4 digits are typed, the "Enter" is automatic. Codes are rejected when trying to create a code that does not exist.

3.6 DTMF Code

This is a telephone remote access code made up of two digits that enables entry into the system when dialing in from a remote number.
Default code=00

3.7 Parent Control

The Parent Control option is used to monitor the activity of children. This option allows all users to monitor when the children arrive home and unset the system or when they set the system in Away mode. With each activation/deactivation of the system a message is sent to a specified Follow Me number.

Use the 🔒 key to toggle between **[Y] YES** or **[N] NO** for each user chosen to be assigned with the parent control feature.

4. Programming: Communication Menu

The **Communication** menu provides access to submenus and their related parameters that enable the system to establish communication with the Alarm Receiving Centre, Follow Me or Upload/Download.

The **Communication** menu is divided into the following sub-menus:

1. Method

2. Alarm Receiving Centre

2. Configuration Software

3. Follow-Me

4.1 Method

This option allows you to configure the parameters of the communication methods (channels) of the Agility. 3 optional communication types are available:

1. PSTN

2. GSM

3. IP

4.1.1 PSTN

The PSTN screen contains parameters for the communication of the Agility over the PSTN network

Communication Type: PSTN

Parameter	Default	Range
Timers		
Timers related to communication through the PSTN channel		
PSTN Lost Delay	04	00-20 minutes
The time after which the system will regard the PSTN line as lost. This time also specifies the delay before reporting the event into the event log or operating a programmable output that follows this event. 00 indicates no supervision of the phone line.		
Wait for Dial Tone	3	0-255 seconds
The number of seconds the system waits to detect a dial tone.		
Controls		
Alarm Line Cut		
YES: Activates the external sirens if the land line, connected to the Agility panel is cut or the telephone service is interrupted for the time defined in the **PSTN Lost** time parameter. **NO**: No activation occurs.		

Communication Type: PSTN

Parameter	Default	Range
Answering Machine Override		

YES: The Answering Machine Override is enabled, as follows:

- The configuration software at the alarm company calls the account.
- The software hangs up after one ring by the configuration operator.
- Within one minute, the software calls again.
- The system is programmed to pick up this second call on the first ring, thus omitting any interaction with the answering machine.

Note: This feature is used to prevent interference from an answering machine with remote configuration operations.

NO: The Answering Machine Override is disabled, and communication takes place in the standard manner.

CS via PSTN

YES: The system allows access to Configuration Software through a PSTN connection

NO: The system does not allow access to Configuration Software through a PSTN connection

Parameters

Parameter	Default	Range
Rings to Answer	12	01 to 15

The number of rings before the system answers an incoming call

Area code

The system area telephone code. This code will be deleted from a telephone number while the system tries to dial the number through the PSTN network.

PBX Prefix

A number dialed to access an outgoing line when the system is connected to a Private Branch Exchange (PBX) and not directly to a PSTN line. This number will be added automatically by the system while trying to call from a PSTN line.

4.1.2 GSM

The GSM screen contains parameters for the communication of the system over the GSM/GPRS network.

Method: GSM

Parameter	Default	Range
Timers		

Allows to program timers related to operation with the GSM module

Method: GSM

Parameter	Default	Range
GSM Lost	10 min	001-255 min

The time after which the GSM module regards the GSM network as loss. Network loss is defined as RSSI level below the level defined GSM Network Sensitivity parameter.

Parameter	Default	Range
SIM Expire	00	00-36 months

A Pre-paid SIM card has a defined life length defined by the provider. After each charging of the SIM, the user will have to manually reset the expiration time of the SIM card. A notification will be displayed on the wireless keypad when asking for status indication.

Set the SIM expiring date (in months) using the numeric keys, according to the time given by the provider. This is not relevant for the UK.

Parameter	Default	Range
ARC Keep Alive (Polling)	00000	0-65535 times

The time period that the system will establish automatic communication (polling) with the ARC over GPRS, in order to check the connection.

3 polling times can be defined: Primary, Secondary and Backup. For each time period define the number of units between 1- 65535. Each unit represents a time frame of 10 seconds.

Note: When using the polling feature through GPRS the ARC channel parameter must be defined as GPRS only.
The report code for ARC polling is 999 (Contact ID) or ZZ (SIA)

The use of these time periods depends on the reporting order to the ARC defined by the Report Split ARC Urgent parameter (See: [4]Communication > [2]ARC > [7]Report Split)

- **Primary**: This time period is used when the ARC channel is defined as *GPRS Only* and the Report Split parameter is not defined as *1st backup 2nd*.
- **Secondary**: This time period is used when the ARC 2 channel is defined as *IP →GPRS Only* and the Report Split parameter is defined as *1st backup 2nd*.
- **Backup**: This time period will be assigned to the backup channel in the following case:
    - ARC 2 channel is defined as *IP →GPRS Only*
    - Report Split parameter is defined as *1st backup 2nd*
    - The communication with ARC 1 is disconnected.

Method: GSM

Parameter	Default	Range

GPRS

Allows programming parameters that relate for the communication over the GPRS network.

Access Point Network (APN) Code

To establish a connection to the GPRS network an APN (Access Point Name) code is required. The APN code differs from country to country and from one provider to another (the APN code is provided by your cellular provider).
The system supports an APN code field of up to 30 alphanumeric characters and symbols (!, &, ? etc).

APN User Name

Enter APN user name (if required). The User name is provided by your provider. The system supports a user name field of up to 20 alphanumeric characters and symbols (!, &, ? etc).

APN Password

Enter the APN password (up to 20 alphanumeric characters and symbols.) as provided by your provider (if required).

E-mail

The following programming parameters are used to enable sending Follow Me event messages by e-mail through GPRS.

Note: To enable e-mail messaging, the GPRS parameters have to be defined.

Mail Host

The IP address or the host name of the SMTP mail server

SMTP Port

The port address of the SMTP mail server

Email address

The Email address that identifies the system to the mail recipient .

SMTP User Name

A name identifying the user to the SMTP mail server. The user name field can include up to 10 alphanumeric characters and symbols (!, &, ? etc). Provision for future functionality

SMTP Password

The password authenticating the user to the SMTP mail server. The password can include up to 10 alphanumeric characters and symbols (!, &, ? etc). Provision for future functionality

Method: GSM

Parameter	Default	Range
Controls		
Allows to control timers related to operation with the GSM module.		
Caller ID	NO	NO/YES
The Caller ID function enables to restrict SMS remote control operations to the predefined follow me phone numbers. If the incoming number is recognized as one of the Follow Me numbers, the operation will be executed.		
Disable GSM	NO	NO/YES
YES: The system will disable the GSM/GPRS module from any activity. NO: GSM/GPRS module is enabled in the system.		
CS via GPRS (out)	YES	NO/YES
YES: Enables to connect the panel to remote Configuration Software via the GPRS channel. The connection can be established either from the LCD keypad (Engineer Menu > Activities > 7)CS Connect > 2)Via GPRS) or via SMS request command from the Configuration Software. **NO:** Communication between the Configuration Software and the panel via GPRS is disabled		
CS via GPRS (Listener mode)	NO	NO/YES
YES: The installed GSM/GPRS communication module enters into listener mode. Configuration Software can then initiate connection to it. **Note**: When using the polling feature through GPRS the ARC channel parameter must be defined as GPRS only. The report code for ARC polling is 999 (Contact ID) or ZZ (SIA) The listening mode feature in the GSM/GPRS module can occur only if there is a static IP address for the SIM card (Please consult the local telecommunication provider). **NO**: The installed GSM/GPRS communication module will not enter into listener mode and therefore Configuration Software cannot initiate connection to it.		
CS via CSD	YES	NO/YES
YES: Configuration Software can attempt to contact the panel through the GSM CSD channel. **NO**: Configuration Software cannot attempt to contact the panel through the GSM CSD channel.		
Parameters		
Allows to program timers related to the operation with the GSM module.		
SIM PIN Code		

Method: GSM

Parameter **Default** **Range**

The PIN (Personal Identity Number) code is a 4 to 8 digit number giving you access to the GSM network provider.

Note: You can cancel the PIN code request function by inserting the SIM card into a regular mobile phone and according to the phone settings, disable this function.

SMS Center Phone

A telephone number of the message delivery center. This number can be obtained from the network operator.

GSM Network Sensitivity (RSSI)

Set the minimum acceptable network signal level (RSSI level).

Options: Disabled (No troubles for low signal reception) / Low signal / High signal

SIM Number

The SIM phone number. The system uses this parameter to receive the time from the GSM network in order to update the system time.

Prepaid SIM Card

Allows programming parameters that will be used when a prepaid SIM card is used in the system.

Get Credit by

Depending on the local network provider, the user can receive the credit level of the prepaid SIM card by sending a predefined SMS command to a defined number or by calling a predefined number through the voice channel. The activation of the credit request can be done by the Grand Master.

- **SMS Credit Message**: Type in the message command as defined by the provider and the provider's phone number to which the credit level SMS message request will be sent.
- **Voice Credit**: Type in the provider's phone number to which a call will be established
- **Service Command**: Type in the service command message as defined by the provider

Phone to Get Credit Message

The provider's phone number to which the credit level SMS message request will be sent to or a call will be established, depending on the selection in the **Get Credit by** parameter.

Phone to Receive SMS Credit Message:

The provider's telephone number from which an automatic SMS credit status

Method: GSM		
Parameter	**Default**	**Range**
message will be sent from.		

4.1.3 IP

Communication Type: IP		
Parameter	**Default**	**Range**
IP Configuration		
Obtain Automatic IP	YES	Y/N
Defines whether the IP address, which the Agility refers to, is static or dynamic. **YES**: The system refers to an IP address provided by the DHCP. **NO**: The system refers to a static IP Address.		
Panel IP		
The Agility IP address.		
Subnet Mask		
The subnet mask is used to determine where the network number in an IP address ends.		
Gateway		
The IP address of the local Gateway, which enables communication settings to other LAN segments. This address is the IP address of the router connected to the same LAN segment as the Agility.		
DNS Primary		
The IP address of the primary DNS server on the network.		
DNS Secondary		
The IP address of the secondary DNS server on the network		
E-mail		
Allows programming parameters that enable the Agility to send Email messages following Follow Me events		
Mail Host		
The IP address or the Host name of the mail server.		
SMTP Port		
The port address of the SMTP mail server. Default: 00025		
E-mail address		
Agility E-mail address. Default: YourCompany.com		
SMTP User name		

Communication Type: IP

Parameter	Default	Range

If required by the mail server, fill in the Authentication User name

SMTP User password

If required by the mail server, fill in the Authentication User password

Host Name	Security_System	(Up to 32 characters)

IP address or a text name used to identify the Agility over the network.

Default: Security System

ARC Keep Alive (Polling)	00000	0-65535

The time period that the system will establish automatic communication (polling) with the ARC over the IP network, in order to check the connection. 3 polling times can be defined: Primary, Secondary and Backup. For each time period define the number of units between 1- 65535. Each unit represents a time frame of 10 seconds.

Note: When using the polling feature through IP, the ARC channel parameter must be defined as IP only.

The use of these time periods depends on the reporting order to the ARC defined by the Report Split ARC Urgent parameter (See: [4]Communication > [2]ARC > [7]Report Split)

- **Primary**: This time period is used when the ARC channel is defined as *IP Only* and the Report Split parameter is <u>not</u> defined as *1st backup 2nd*. Default: 00003 (30 seconds)
- **Secondary**: This time period is used when the ARC 2 channel is defined as *IP →IP Only* and the Report Split parameter is defined as *1st backup 2nd*. Default: 360 (3600 seconds)
- **Backup**: This time period will be assigned to the backup channel in the following case:
  - ARC 2 channel is defined as *IP →IP Only*
  - Report Split parameter is defined as *1st backup 2nd*
  - The communication with ARC 1 is disconnected.

  Default: 00003 (30 seconds)

Controls

Disable IP	NO	YES/NO

YES: The system will disable the IP module from any activity.

NO: The IP module is enabled in the system.

CS via IP	YES	YES/NO

YES: The system allows access to Configuration Software through an IP connection

NO: The system does not allow access to Configuration Software through an IP connection

4.2 Alarm Receiving Centre

The Alarm Receiving Centre menu contains parameters that enable the system to establish communication with the (up-to-three) ARCs and transmit data.

Communication: Alarm Receiving Centre

Parameter	Default	Range

Report Type

Type

Defines the communication type that the system will establish with each alarm receiving centre. The system can report in 3 optional communication types:

- **Voice**
- **SMS**
- **IP**
- **SIA IP**

Voice

Reports to the alarm receiving centre will be done through the PSTN or GSM network. Reporting by Voice can be established through different channels. The optional channels depend on the hardware installed in your system. Select the required channel as follows:

- **PSTN/GSM**: The system checks for the availability of the PSTN line. During regular operation mode all calls and data transmission are carried out using the PSTN line. In the case of fault in the PSTN line, the line is routed to the GSM line.
- **GSM/PSTN**: The panel checks for the availability of the GSM line. During regular operation mode all calls and data transmission are carried out using the GSM line. In the case of fault in the GSM line, the line is routed to the PSTN line.
- **PSTN Only**: The outgoing calls are executed through the PSTN audio channel only. Use this option for installations where no GSM line is available.
- **GSM Only**: The outgoing calls are executed through the GSM audio channel only. Use this option for installations where no PSTN line is available.

Enter the alarm receiving centre telephone number including area code and special letters (if required). If calling from PBX do not include the number for outgoing line.

Function	Results
Stop dialing and wait for a new dial tone	**W**

Wait a fixed period before continuing	,
Send the DTMF ∗ character	∗
Send the DTMF # character	#
Delete numbers from the cursor position	**[∗] [0] simultaneously**

SMS

Events are sent to the alarm receiving centre using encrypted SMS messages (128 BIT AES encryption). Each event message contains information including the account number, report code, communication format, time of event and more. The event messages are received by RISCO Group's IP/GSM Receiver Software located at the ARC site. The IP/GSM Receiver translates the SMS messages to standard protocols used by the alarm receiving centre applications (For example; Contact ID).This channel requires that RISCO Group’s IP/GSM receiver has to be used at the ARC side.

Enter the relevant phone numbers for the ARC that will receive reports from the system. (See explanation in *Voice* type on page 91)

IP

Encrypted events are sent to the alarm receiving centre over the IP or GPRS network using TCP/IP protocol. 128 BIT AES encryption is used. RISCO Group's IP/GSM Receiver Software located at the ARC site receives the messages and translates them to standard protocols used by the alarm receiving centre applications (For example; Contact ID).

Note: To enable GPRS communication the SIM card has to support GPRS channel

Reporting by IP can be established through different channels. The optional channels depend on the hardware installed in your system. Select the required channel via the Configuration Software as follows:

- **IP/GPRS**: The panel checks for the availability of the IP network. During regular operation mode all calls and data transmission are carried out using the IP network line. In the case of fault in the IP network, the report is routed to the GPRS network.
- **GPRS/IP**: The panel checks for the availability of the GPRS network. During regular operation mode all calls and data transmission are carried out using the GPRS. In the case of fault the report is routed to the IP network.
- **IP Only**: The report is executed through the IP network only.
- **GPRS Only**: The report is executed through the GPRS network.

Communication: Alarm Receiving Centre

Parameter	Default	Range

Enter the relevant IP and Port numbers for the ARC that will receive reports from the system. (See *IP* and *Port*)

SIA IP

Reports to the Monitoring Station can be transmitted using the SIA IP protocol to standard SIA IP receivers. Using SIA IP enables transmission of visual imagery from PIR cameras. Reporting by SIA IP can be established through the hardware channels installed in your system. Reporting of the SIA IP is 128 BIT AES encrypted. SIA IP reports also support labels reporting. Usage of SIA IP requires setting:

- Encryption Key (see page 95)
- SIA IP Receiver Number
- SIA IP Receiver Line Number

Accounts

Account Number

The number that recognizes the customer at the alarm receiving centre. You can define an account number for each alarm receiving centre. These account numbers are the 6-digit numbers assigned by the central station.

Notes for Account Number in Contact ID Communication Format:

1. The account number will always be reported as 4 digits, for example: A number defined as 000012 will be reported as 0012
2. If more than 4 digits were defined, the system always sends the last 4 digits of the account number, for example: Account number that was defined as 123456 will be sent as 3456.
3. In Contact ID you can place digits and letters A-F. The A character is always sent as 0 for example: Account number that was defined as 00C2AB will be sent as C20B.

Notes for Account Number in SIA Communication Format:

1. Account number for SIA should be defined as a decimal number (Only digits 0..9)
2. Account number can be reported as 1 to 6 digits. To send an account number with less than 6 digits use the “0” digit, for example: For account number 1234 enter 001234. In this case the system will not send the “0” digit to the alarm receiving centre.
3. In order to send the “0” digit in SIA format, located at the left side of the number, use the “A” digit instead of the “0” digit. For example, for account number 0407 enter 00A407, for a 6 digit account number such as 001207 enter AA1207.

Communication: Alarm Receiving Centre

Parameter	Default	Range
Communications Format		
Enables the system to contact the Alarm Receiving Centre in order to obtain details of the communication protocol used by the digital receiver for each account. The codes are automatically uploaded when the communication format has been selected: ♦ **Contact ID:** The system allocates Report Codes supporting ADEMCO Contact (Point) ID ♦ **SIA:** The system allocates Report Codes supporting the SIA (Security Industry Association) format		
Note: See *Appendix A* for the report codes list.		
Controls		
Allows to program control related to operation with the Alarm Receiving Centre.		
Handshake	NO	YES/NO
YES: All LEDs on the Agility main unit light for one second when the handshake signal is received from the Central Station's receiver. **NO:** No indication for establishing communication with the Central Station's receiver.		
Kiss-Off Y/N	NO	YES/NO
YES: All LEDs on the Agility main unit light for one second and an audible sound is emitted when the kissoff signal is received from the Alarm Receiving Centre's receiver. **NO:** No indication for establishing communication with the Alarm Receiving Centre's receiver.		
SIA Text		
YES: SIA formatted report to the Alarm Receiving Centre will support text transmission over the voice channel. **Note**: The Alarm Receiving Centre receiver should support the SIA Text protocol. **NO**: The SIA formatted report will not support text.		
Random ARC Test		

Communication: Alarm Receiving Centre

Parameter	Default	Range
YES: At First power up the system will set a random hour which then becomes the fixed hour for the panel to report periodic testing to the Alarm Receiving Centre. This time can be viewed under the Periodic test timer fields. **NO**: The periodic test will be according to the time defined by the engineer defined under the ARC periodic timer		
Parameters		
Allows to program parameters related to operation with the Alarm Receiving Centre.		
ARC Retries	08	01-15
The number of times the system redials the Alarm Receiving Centre after failing to establish communication.		
Alarm Restore	Confirmation Time-Out	
Specifies under what conditions an Alarm Restoral is reported. This option informs the ARC of a change in the specified condition(s) during an alarm restore. These reports need a valid Report Code. ♦ **On Confirmation Time-Out (CTO) -** Reports the restoral after the audible alarm times out. ♦ **Follow Zone -** Reports the restoral when the zone in which the alarm occurs returns to its non-violated (secured) state. ♦ **At Unset** - Reports the restoral when the system (or the partition in which the alarm occurs) is unset, even if the sounder has already timed out.		
Encryption Key		
A 32-digit digital signature and authentication for purposes of safeguarding data transmission to and from the alarm receiving centre. The key must be defined for both the panel and alarm receiving centre. For use when SIA IP report type is in effect. A unique key can be defined for each of up to three alarm receiving centres.		
Receiver Number		
The receiver number as supplied from the alarm receiving centre		
Line Number		
The receiver line number as supplied from the alarm receiving centre		
ARC Timers		
Allows to program timers related to operation with the Alarm Receiving Centre.		

Communication: Alarm Receiving Centre

Parameter	Default	Range
Periodic Test		
The Periodic Test enables you to set the time period that the system will automatically establish communication to the Alarm Receiving Centre in order to check the connection. The periodic test involves sending the account number and a valid test report code (Contact ID 602, SIA TX). Set the test time and daily interval for Periodic Test Reporting.		
Abort Alarm	15 sec	0-255 sec
Defines the time delay before reporting an alarm to the ARC. If the alarm system is unset within the Abort Window, no alarm transmission shall be sent to the ARC.		
Cancel Delay	5 min	0-255 min
If an alarm is sent in error, it is possible for the ARC to receive a Cancel Alarm Code, sent subsequently to the initial Alarm Code. This happens if a valid User Code is entered to reset the alarm in the Cancel Delay time window that starts after the defined Abort Alarm time is over. **Note**: Cancel Alarm report code should be defined.		
Listen In	120	1-240 seconds
The time duration for the alarm receiving centre to Listen in and perform voice alarm verification. After this period the system hangs up the line. The alarm receiving centre can expand the listen in time during the conversation by pressing the digit "1" on the telephone. In this case, the Listen In time will reset and start over again.		
Confirmation		
The confirmation times relate to the Zone Sequential Confirmation.		
Confirm Start (Confirm delay time)	0	0-120 min
Specifies that the system cannot start a sequential confirmation process until the timer has expired. This time starts when the system has set and will prevent confirmed alarms being generated in situations when a person has been accidentally locked in the building.		
Confirm Time Window	030	30-60 min
Specifies a time period that starts when an alarm is triggered for the first time. If a second alarm is triggered before the end of the confirmation time window, the system will send a confirmed alarm to the alarm receiving centre.		

Communication: Alarm Receiving Centre

Parameter	Default	Range
No Set	0	0-12 weeks

A *No Set* code will be sent to the ARC if no setting or unsetting has been established during the time defined (1-12 weeks).

(0=not activated)

Report Split

The Report Split menu contains parameters that enable the routing of specified events to up to three ARC Receivers. (See *Appendix A Reports Codes*)

ARC Set/UnsetSet/Unset

Reports Setting/Unsetting (meaning Closings/Openings) events to the ARC

- Do not call (no report)
- Send 1st: Reports Openings and Closings to ARC 1
- Send 2nd: Reports Openings and Closings to ARC 2
- Send 3rd: Reports Openings and Closings to ARC 3
- Send all: Reports Openings and Closings to the all defined ARC.
- 1st Backup 2nd: Reports Openings and Closings to ARC 1. If communication is not established, calls ARC 2.

ARC Urgent

Reports urgent (alarm) events to the Central Monitoring Station

- Do not call (no report)
- Call 1st: Reports urgent events to ARC 1
- Call 2nd: Reports urgent events to ARC 2
- Call 3rd: Reports urgent events to ARC 3
- Call all: Reports urgent events to the all defined ARC.
- 1st Backup 2nd: Reports urgent events to ARC 1. If communication is not established, calls ARC 2

ARC Non Urgent

Reports non-urgent events (troubles and test reports) to the ARC

- Do not call (no report)
- Call 1st: Reports non-urgent events to ARC 1
- Call 2nd: Reports non-urgent events to ARC 2
- Call 3rd: Reports non-urgent events to ARC 3
- Call all: Reports non-urgent events to the all defined ARC.
- 1st Backup 2nd: Reports non-urgent events to ARC 1. If communication is not established, calls ARC 2

Communication: Alarm Receiving Centre

Parameter	Default	Range
Report Codes		

Enables you to view or program the codes transmitted by the system to report events (for example, alarms, troubles, restores, supervisory tests, and so on) to the alarm receiving centre. The codes specified for each type of event transmission are a function of the Alarm Receiving Centre's own policies. Before programming any codes, it is important to check the Alarm Receiving Centre protocols. Reporting codes are assigned by default, according to the selected communication format SIA or Contact ID

Assigns a specified report code for each event, based on the reporting format to the alarm receiving centre. An event that is not assigned with a report code will not be reported to the alarm receiving centre. For list of report events refer to *Appendix A*

4.3 Configuration Software

The **Configuration Software** menu contains parameters that enable the configuration software to establish connection with the system.

Communication: Configuration software

Parameter	Default	Range
Security		

Enables you to set parameters for remote communication between the technician and the system using the Configuration software

Access Code	5678	

Enables you to define an Access Code that is stored in the system.

RISCO Group recommends using a different 4-digit Access Code for each installation.

In order to enable communication between the alarm company and the system the same Access Code must subsequently be entered into the corresponding account profile created for the installation in the configuration software

For successful communication, the Access Code along with the ID code must match between the configuration software and the system.

Communication: Configuration software

Parameter Default Range

Remote ID 0001

Defines an ID Code that serves as an extension of the Access Code.

In order to enable communication between the alarm company and the Installation, the same Remote ID code must be entered into the account profile in the configuration software.

For successful communication, the ID Code along with the Access Code must match between the Upload/Download software and the Main Panel.

Dealers often use the customer's Alarm Receiving Centre Account Number for the

ID Code, but you can use any 4-digit code unique to the installation

ARC Lock 000000

ARC Lock is a security function used in conjunction with the configuration software. It provides greater proprietary security when viewing Alarm Receiving Centre parameters.

The same 6-digit code, which will be stored in the panel, must be entered into the corresponding account profile created for the installation in the Configuration software.

If there is no match between the ARC Lock Code defined in the Main Panel and the ARC Lock Code defined in the Configuration software, the Engineer will not have permission to change the following Alarm Receiving Centre parameters from the Configuration software:

ARC Lock, Engineer Code, ARC IP Port, ARC IP Address, ARC Phone, Default Enable, ARC Account, ARC Format, ARC Channel, ARC Backup, ARC Enable, Remote ID, Access Code.

Call Back

Call Back Enabled YES

The call back feature requires the system to call back to a pre-programmed telephone number to which the alarm company's configuration software computer is installed. This provides more security for remote operations using the configuration software.

YES: Call back is enabled

NO: Call back is disabled

Communication: Configuration software

Parameter	Default	Range
Call Back Phones		
Define 3 numbers that the panel can call to perform Configuration Software communication. If no numbers have been defined, a call back can be performed to any phone. The engineer will enter a phone number when establishing communication to the panel. If at least one number has been defined, it will be the only number that the call back can be established too. When the Configuration Software establishes communication to the panel, it sends the panel its calling phone number. (This number needs to be defined as *My Number* under the GSM and PSTN Communication menu in the Configuration Software.) If the panel identifies one of the numbers as one of the numbers predefined in the panel, the call will hang up and the panel will call back to that same number.		
Configuration Software Port (IP Gateway)	00000	

Note: In the configuration software, under Communication→ Configuration→GPRS you should enter the IP address of the PC that the software is installed in.

IP Address		
The IP address of the configuration's software PC. If you have a router connected to the PC of the configuration software then you should enter the IP of the router. This definition will be used when there is a request to create a remote connection from the panel to the configuration software. The connection can be done over IP or GPRS.		
IP Port		
The IP port of the Configuration Software's PC		
Listener Port		
The GPRS Port to which the Configuration Software can connect when GSM is in Listener mode. See **CS via GPRS (Listener mode), page 87**		
Entity Host SUBNET		
(For future development)		

4.4 Follow-Me

In addition to reporting to the alarm receiving centre, the Agility has a Follow-Me feature which enables reporting a system events to a predefined follow me destinations using a voice message, SMS message or Email. Up to 16 Follow Me destinations can be defined in the system.

Define FM

Communication: Follow-Me

Parameter	Default	Range

Label (via the Configuration Software)

A label identifying the follow me destination

Report Type

Defines the type of reporting events to a follow me destination:

- **Voice**: Report to follow me will be done by voice message thorough the PSTN or GSM network. (See *Channel*→ *For Voice Messaging* below). Type in the telephone number including area code or special letters for Follow Me defined as SMS or Voice.
- **SMS**: Report to follow me will be done by SMS. Each event message contains information including the system label. Event type and time. Type in the telephone number including area code or special letters for Follow Me defined as SMS or Voice.
- **E-mail**: Report to follow me will be done by e-mail thorough IP or GPRS. Each e-mail contains information including the system label. Event type and time. (See *Channel*→ *For E-mail report* below)Enter the e-mail address for follow me destination defined as e-mail type.

Channel

Reporting events by Voice or Email can be established through different channels. The optional channels depend on the hardware installed in the system. Select the required channel as follows:

For Voice Messaging:

- **PSTN/GSM:** The system checks for the availability of the PSTN line. During regular operation mode voice messaging is carried out using the PSTN line. In the case of fault in the PSTN line, the line is routed to the GSM line.
- **GSM/PSTN:** The panel checks for the availability of the GSM line. During regular operation mode voice messaging is carried out using the GSM line. In the case of fault in the GSM line, the line is routed to the PSTN line.
- **PSTN Only:** The outgoing calls are executed through the PSTN audio channel only. Use this option for installations where no GSM line is available.
- **GSM Only**: The outgoing calls are executed through the GSM audio channel only. Use this option for installations where no PSTN line is available.

Communication: Follow-Me

Parameter	Default	Range

For E-mail report:

- **IP/GPRS:** The system checks for the availability of the IP network. During regular operation emails will be sent using the IP network line. In the case of fault in the IP network, the email is routed to the GPRS network.
- **GPRS/IP:** The system checks for the availability of the GPRS network. During regular operation mode emails will be sent using the GPRS. In the case of fault the email is routed to the IP network.
- **IP Only:** The report is executed through the IP network only.
- **GPRS Only**: The report is executed through the GPRS network

Events

Each Follow Me destination can be assigned with its own set of events. Choose the events that will be reported to each Follow Me

Event	Description	Default
Alarms		
Intruder	Intruder alarm in the system	Yes
Fire	Fire alarm in the system	Yes
Emergency	Emergency alarm in the system	Yes
Panic (S.O.S)	A panic alarm in the system	Yes
Tamper	Any tamper alarm in the system	No
Duress Alarm	Duress alarm in the system from user xx	Yes
No Movement	No movement report indication	No
Set/Unset		
Set	Setting operation has been performed in the system	No
Unset	Unsetting operation has been performed in the system	No
Parent Control	System set/unset by user/remote control defined with the Parent control feature	No
Troubles		
False Code	After 5 unsuccessful attempts of entering an incorrect code.	No
Main Low Battery	Low battery indication from the Agility main panel (below 6V)	No
Wireless Low Battery	Low battery indication from any wireless device in the system	No
WL Jamming	Jamming indication in the system	No

Communication: Follow-Me

Parameter	Default	Range
WL Lost	Wireless device lost. When no supervision signal is received from a wireless device	No
AC Off	Interruption in the source of the main AC power. This activation will follow the delay time predefined in the AC Loss Delay timer	No
PSTN Fault	PSTN lost event. If PSTN Loss Delay time period is defined, the message will be sent after the delay time	No
IP Network	Communication fault with the IP network.	No
GSM		
GSM Fault	General GSM fault (SIM card fault, Network availability, Network Quality, PIN code error, Module communication, GPRS password, GPRS IP fault, GPRS Connection, PUK code fault	No
SIM Fault	Any fault with the SIM card	No
SIM Expire	Report to Follow Me will be established 30 days before the SIM Expiration Time defined for a prepaid SIM card.	No
SIM Credit	An automatic SMS credit message (or any other message) received from the provider's number predefined in *SMS Receive Phone* will be transferred to the Follow Me number	No
Environmental		
Gas Alert	Gas (natural gas) alert from a zone defined a Gas detector	Yes
Flood Alert	Flood alert from a zone defined as flood type	Yes
CO Alert	CO (Carbon Monoxide) alert from a zone defined a CO detector	Yes
High Temperature	High Temperature alert from a zone defined a Temperature detector	Yes
Low Temperature	Low Temperature alert from a zone defined a Temperature detector	Yes
Technical	Alert from the zone defined as Technical	No

Communication: Follow-Me

Parameter		Default	Range
Miscellaneous			
Zone Omit	Zone has been omitted	No	
Periodic test	Follow Me test message will be established following the time defined in the Periodic Test parameter under the ARC parameters	No	
Remote programming	System is in remote installation mode	No	
Communication Info	The following information is sent by e-mail on power up and acquiring the GPRS and Ethernet communication parameters (Assumption is that SMTP is predefined): • Panel UID • Panel version • Ethernet IP parameters • GPRS IP parameters	No	
Restore Events:			
Alarms			
Intruder Alarm	Intruder alarm in the system restored	Yes	
Tamper	Tamper alarm in the system restored	No	
Troubles			
Main Low Battery	Low battery indication from the Agility main panel restored	No	
WL Low Battery	Low battery indication from any wireless device in the system restored	No	
Jamming	Jamming indication in the system restored	No	
WL Lost	Wireless device lost restored	No	
AC Off	Interruption in the source of the main AC power restored	No	
PSTN Fault	PSTN lost event restored	No	
IP Network	Communication fault in the IP restored	No	
GSM Fault	General GSM fault restored	No	
Environmental			
Gas Alert	Gas Alert restored	No	
Flood Alert	Flood Alert restored	No	

Communication: Follow-Me

Parameter		Default	Range
CO Alert	CO Alert restored		No
High Temperature	High Temperature Alert restored		No
Low Temperature	Low Temperature Alert restored		No
Technical	Technical Alert restored		No

Remote Control

	Default	Range
Remote Listen	No	

Enables the user of the follow me phone to perform remote listen and talk operation with the premises.

	Default	Range
Remote program	No	

Enables the user of the follow me phone to enter the Remote Operation menu and perform all available programming options. For more details see the User manual.

Partition

Assign the partitions from which events will be reported to the follow me number.

Controls

Allows to program control related to operation with the Follow Me

	Default	Range
Unset Stop Follow Me	Yes	Yes/No

YES: The Follow-Me calls will stop when the partitions are unset by a user code

NO: The Follow-Me calls will continue to be made when the partitions are unset by a user code

Parameters

Allows to program parameters related to operation with the Follow Me

	Default	Range
Follow Me Retries	08	01-15

The number of times the Follow Me phone number is redialed

	Default	Range
Voice Message Recurrence	01	01-05

This number of times a voice message repeats itself when establishing a call to a Follow Me number.

Follow Me Periodic Test

The Periodic Test enables you to set the time period that the system will automatically establish communication to a Follow Me destination defined with the Periodic Test event.

4.5 Cloud

Define here the server settings for communication with the Agility system

IP Address

The IP address or server name. If the Agility system is connected to the RISCO cloud for self-monitoring, then use: riscocloud.com. Otherwise enter the IP address or name where the cloud server is located

IP Port	33000	
Password	AAAAAAAA	Up to 6 characters (case sensitive)

The server port address.

Specify the password for server access. This password should be identical to the **CP Password** defined in the server under the Control Panel Page definition.

Channel

Communication with the cloud can be established through an IP or GPRS channel, depending on your system installed hardware.

- IP Only—
- GSM Only—

Controls

The Agility 3 supports parallel channel reporting (via PSTN, IP, GPRS SMS, or voice) to both the alarm receiving centre and FM when connected in cloud mode. Use this setting to decide if the panel reports events to the alarm receiving centre or follow-me in parallel to the report to the cloud or only as a backup when the communication between the Agility and the cloud is not functioning.

Note: When the backup mode is functioning, the ARC specifications are as defined under ARC menu (see page 91, ARC report type, fm) and Follow-Me menu (see page 100).

ARC Call All

Yes: Parallel reporting to the ARC can be established via both the cloud and non-cloud channels.

No: Communication to the Alarm Receiving Centre via the non-cloud channels can be established only in backup mode (when Agility – cloud connection is down)

FM Call All

Yes: Parallel reporting to the Follow Me destination can be established via both the cloud and non-cloud channels.

No: Communication to the Follow Me destination via the non-cloud channels can be established only in backup mode (when Agility – cloud connection is down)

5. Programming: Audio Messages Menu

This menu is used to define voice message parameters. The Audio Messages menu is divided into the following sub menus:

1. Assign Message

2. Local Message

5.1 Assign Message

The engineer can assign a voice message to a **zone**, **partition, output** or **macro**. When an event occurs this voice message will be heard accordingly.

Each message can be comprised of up to 4 words. Each word has been pre-recorded and assigned a number. When comprising a message the engineer will enter the number of each word into the message sequence. The system recognizes the numbers and sounds the words assigned to those numbers. For example: For the system to sound "Top Floor Guest Bedroom", the engineer must enter the following sequence: 172 074 089 023.

The table in *Appendix* C : *Library Voice Messages* displays the directory of the pre-recorded programming descriptors, each is identified by a 3 digit number.

Note: The first five descriptors allow for customized words specific for the client's needs. The customized words can be recorded via the telephone. Each recording is 2 seconds long.

To assign a message follow this procedure:

1. Go to Programming → Audio Messages → Assign Message.
2. Select the relevant device and go to **Define**.
3. Enter the relevant descriptor numbers (see *Appendix* C *Library Voice Messages*) and press #? .
4. Go to **Play** to hear the message.

5.2 Local Message

Upon event occurrence, the system can announce the security situation to occupants of the premises by sounding a local announcement message. This announcement message can be enabled or disabled, per event. Enable or disable each message announcement according to your customer request.

Audio Messages: Local Messages

Parameter	Description	Default
Intruder alarm	Intruder alarm	Yes
Fire alarm	Fire alarm	Yes
Emergency	Emergency (medical) alarm	Yes

Audio Messages: Local Messages

Parameter	Description	Default
Panic alarm	Panic alarm	Yes
Tamper alarm	Tamper alarm	Yes
Environmental alert	Flood, Gas, CO or Temperature alert	Yes
Full set	System/Partition armed in Full set	Yes
Part set	System/Partition armed in Part set	Yes
Unset	System/Partition unset	Yes
Audible Status	Status heard when holding the status button on the keypad/remote control	Yes
Exit / Entry	System in exit or entry delay	Yes
Auto set	System in auto set process	Yes
Output On/Off	Output activated or deactivated (Outputs defined as Follow Code)	No
Walk test	Walk test. The Agility will sound the zone number and audible description	Yes
No Movement	No movement message	Yes
Miscellaneous	Chime status and Macro messages	Yes

Testing menu

The following menu is used to perform tests on the system. Note that each test refers to the last time the device was activated. Tests can be performed on the following elements:

1. Main Unit
2. Zone
3. Remote Control
4. Keypad
5. Sounder
6. GSM Module
7. IP Module
8. I/O Unit

1. Main Unit

Main Unit
Parameter
Noise Level

Main Unit

Parameter

This feature establishes the threshold noise level of the main unit receiver. The threshold noise level can be established automatically or manually (when using a keypad).

To establish the main unit receiver's noise level:

Automatic: For automatic calibration select [2] **Calibration**. After the calibration process is accomplished, the new noise threshold level is displayed.

Manual: For manual calibration select [1] **View/Edit**. The value displayed is the last measured value. Set a new threshold level and press #? to confirm.

Sounder

Activates the main unit sounder.

Speaker

Sounds the local test message: "Test message". Select *Start* to activate the feature. Select *Stop* to end the test.

Battery

Displays the battery voltage of the main unit.

Version

Displays the main unit's software version.

Serial Number

Displays the main unit's serial number.

2. Zone

Zone

Parameter

Comm Test

Displays the results of the last measurement performed after the last transmission (last detection or last supervision signal). To receive an updated signal strength, activate the detector prior to performing the communication test.

For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.

Battery Test

Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.

Walk Test

Zone

Parameter

Used to easily test and evaluate the operation of selected zones in your system. It is recommended to perform walk test after installing all wireless devices and also prior to performing Testing operation.

The keypad LCD displays the following information:

```
Zone xx:
 TRIP TMP TRBL
```

Zone number; TRIP: Successful detection; TMP: Tamper detection and FLT: Low battery

Version

This menu displays software version of the selected 2-way detector.

3. Remote Control

Remote Control

Parameter	Default	Range

Comm Test

Displays the results of the last measurement performed after the last transmission. To receive an updated signal strength, activate the remote control prior to performing the communication test.

For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.

Battery Test

Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value, activate the device.

Version

This menu displays information regarding the 2-way remote control's version.

4. Keypad

Keypad

Parameter	Default	Range

Comm Test

Displays the results of the last measurement performed after the last transmission. To receive updated signal strength, activate the keypad prior to performing the communication test.

For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit

Keypad

Parameter **Default** **Range**

Battery Test

Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.

Version

This menu displays information regarding the keypad's version.

5. Sounder

Sounder

Parameter

Comm Test

The sounder communication test performs a communication test between the Agility and the selected sounder. The value displayed indicates the sounder's signal strength as received by the Agility.

For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.

Battery Test

Speaker batteries voltage: Tests the selected sounder's speaker batteries voltage.

Radio (Transceiver) batteries voltage: Tests the selected sounder's radio's batteries voltage.

Sound Test

Activates squawk sound in the selected sounder.

Noise Level

This feature establishes the threshold noise level of the wireless sounder receiver. The threshold noise level can be established automatically or manually (when using a keypad).

To establish a sounder receiver's noise level:

1. Select the sounder for which you want to calibrate its receiver.
2. For automatic calibration select [2] **Calibration**. After the calibration process is accomplished, the new noise threshold level is displayed.
3. For manual calibration select [1] **View/Edit**. The value displayed is the last measured value. Set a new threshold level and press #? to confirm.

Version

This menu displays information regarding the sounder's version.

6. GSM

GSM

Parameter	Default	Range
Signal (RSSI)		(0–5)
Displays the signal level measured by the GSM module. (0=No signal, 5= Very high signal)		
Version		
Displays information regarding the GSM module version.		
IMEI		
View the IMEI number of the GSM module. This number is used for identification of the Agility at the RISCO IP receiver when using GSM or GPRS communication.		

7. IP Unit

IP Unit

Parameter	Default	Range
IP Address		
View the IP address of the Agility		
Version		
View the version on the IP module		
MAC Address		
View the MAC address of the IP card. This number is used for identification of the Agility at the RISCO IP receiver when using IP communication.		

8. I/O Unit

I/O Unit

Parameter	Default	Range
Comm Test		
Displays the results of the last measurement performed after the last transmission. To receive an updated signal strength, activate the I/O Unit prior to performing the communication test. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.		

I/O Unit

Parameter	Default	Range
Version		
This menu displays information regarding the I/O Unit's version.		

Activities Menu

The engineer can perform special activities on the system via the Activities menu. Some of these activities can also be performed by the user.

Activities

Parameter	Default	Range
Main Buzzer On/Off	Off	
Used to activate/deactivate the main unit buzzer.		
KP Sleep Time	10 seconds	00-60 seconds
Used to set the keypad's Sleep mode time. (The LCD display is turned off.)		
Service Mode		
Grand Masters and Engineers can silence any tamper (and suppress a report to the alarm receiving centre) in the system from the main unit or any accessory for a period specified in Service Time (see page 36) Use this option, when system accessories require battery replacement.		
Avoid Report Programming		
Some protocols have a report code to the alarm receiving centre for entering and exiting the engineer programming. To avoid the entering report and save time, this function postpones the report for two minutes during which the engineer can enter the programming menu and no report will be made.		
Omit Box Tamper		
Provides ability to omit box tamper condition. When activated and tamper condition occurs, there will be no alarm, no indication to the ARC and no record in the event log.		

Note: To enable Omit Box Tamper, both the **Allow Omit** and **24 Hour Omit** parameters must be set to **YES** (refer to pages 36 and 40 for more information).

Parameter	Default	Range
Engineer Reset		
Use this option to reset an alarm.		

Activities

Parameter	Default	Range

Configuration Software Connect

Enables to establish remote communication with the configuration software at a predefined location through IP or GPRS.

Note: The location of the configuration software should be predefined under Communication→Configuration Software→IP Gateway

Firmware Update

This option activates a firmware update process. The update can be established through IP or GPRS. The location of the new firmware should be predefined under Engineer Programming→ System→Firmware Update.

Once the communication method is selected (IP or GPRS) a special manufacturer password should be entered. Please refer to your local RISCO branch for this password.

Follow Me Menu

Follow Me

Parameter

Define

Used to define Follow Me destinations phone number or E-mail address according to its type: Voice message, SMS or E-mail

Test FM

Used to test Follow Me reporting.

Clock Menu

Clock

Parameter	Default	Range
Time + Date		
Scheduler		On/Off

Time + Date

Allows the setting of the system time and date. This definition is required for setting the scheduler programming in the system.

Scheduler — On/Off

Enables you to activate or deactivate preprogrammed schedules that were defined by your engineer. Up to 8 weekly programs can be defined in the system during which the system automatically sets/unsets or activates programmable outputs.

Note: The definition of the scheduling programs is done from the configuration software.

Clock

Parameter	Default	Range
Automatic Clock		
Used to get an automatic time update (NTP or Daytime) through the IP network or GPRS.		
Server		
Select the Internet time protocol NTP or Daytime		
Host		
The IP address or server name.		
Port		
The server port.		
Time Zone (GMT/ UTC)		
Use the ↱ key to add an hour to the GMT/UTC time. Use the ↵ key to subtract an hour from the GMT/UTC time.		

Event Log Menu

Allows the viewing of significant system events including date and time. Scroll the list using the arrow keys to view the events in the system.

Macro Menu

Programming Macro Keys

Agility enables the engineer or Grand Master to record a series of commands and assign them to a macro. When the macro is pressed, the recorded commands are executed from beginning to end. Up to 3 macros can be programmed to a system using the Agility keypad or the Agility Configuration Software.

Before programming a macro, it is recommended to perform your required series of commands, making a note of every key you press while doing so.

Notes: Macros cannot be programmed to perform unsetting commands.
Macros cannot be activated from slim keypad.

To program a macro:

1. In the Macro menu select a macro (A, B or C) and press #? .
2. Enter the sequence of characters according to the following table:

Key	Represents
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Used to enter numerical characters
↲	Used to move the cursor to the left
↱	Used to move the cursor to the right
Press 1 twice	Represents the ↑ character
Press 3 twice	Represents the ↓ character
Press 4 twice	Represents the 🔐 key
Press 6 twice	Represents the 🔒 key
Press 7 twice	Represents the ✱ character
Press 9 twice	Represents the # character
⊛ and 0 simultaneously	Deletes your entry from the cursor position forward
🔐 / 🔒	Use to toggle between 🔐/🔒/↑/↓/#/✱ and all of the numeric characters
(#?)	Used to end the sequence and save it to memory

3. Press (#?) to save your entry.
   The series of characters is saved and assigned to the selected macro.

For example:

To set partition 1 with the code *1234*, enter the following sequence:

1🔒**1 2 3 4**

Activating a Macro

Press **7**/**8**/**9** on the keypad for 2 seconds to activate the macro **A**/**B**/**C** respectively. A confirmation message will be heard: "*[Macro X] activated*".

Appendix A Report Codes

Report Codes

Parameter	Contact ID	SIA	Report Category
Alarms			
Panic alarm	120	PA	Urgent
Panic alarm restore	120	PH	Urgent
Fire alarm	115	FA	Urgent
Fire alarm restore	115	FH	Urgent
Medical alarm	100	MA	Urgent
Medical alarm restore	100	MH	Urgent
Duress alarm	121	HA	Urgent
Duress alarm restore	121	HH	Urgent
Box tamper	137	TA	Urgent
Box tamper restore	137	TR	Urgent
Confirmed alarm	139	BV	Urgent
Confirmed alarm restore	139		Urgent
Recent Close	459		Non- urgent
Confirmed HU alarm (PD6662)	129	HV	Urgent
Main Troubles			
Low battery	302	YT	Non- urgent
Low battery restore	302	YR	Non- urgent
AC loss	301	AT	Non- urgent
AC restore	301	AR	Non- urgent
Clock not set	626		Non- urgent
Clock set	625		Non- urgent
False code	421	JA	Non- urgent
False code restore	421		Non- urgent
Main phone fault	351	LT	Non- urgent
Main phone fault restore	351	LR	Non- urgent
RF Jamming	344	XQ	Non- urgent
RF Jamming restore	344	XH	Non- urgent
GSM fault restore	330	IR	Non- urgent
GSM Pre-Alarm			Non- urgent

Report Codes			
Parameter	**Contact ID**	**SIA**	**Report Category**
IP Network fault			Non- urgent
IP Network fault restore			Non- urgent
Set/Unset			
User Set	401	CL	Set/Unset
User Unset	401	OP	Set/Unset
Part set	441	CG	Set/Unset
Unset after alarm	458	OR	Set/Unset
Keyswitch Set	409	CS	Set/Unset
Keyswitch Unset	409	OS	Set/Unset
Auto Set	403	CA	Set/Unset
Auto Unset	403	OA	Set/Unset
Remote Set	407	CL	Set/Unset
Remote Unset	407	OP	Set/Unset
Forced Ser	574	CF	Set/Unset
Quick Set	408	CL	Set/Unset
No Set	654	CD	Set/Unset
Auto Set fail	455	CI	Set/Unset
Detectors(Zones)			
Intruder alarm	130	BA	Urgent
Intruder alarm restore	130	BH	Urgent
Fire alarm	110	FA	Urgent
Fire alarm restore	110	FH	Urgent
Foil alarm	155	BA	Urgent
Foil alarm restore	155	BH	Urgent
Panic alarm	120	PA	Urgent
Panic alarm restore	120	PH	Urgent
Medical alarm	100	MA	Urgent
Medical alarm restore	100	MH	Urgent
24 Hour alarm	133	BA	Urgent
24 Hour alarm restore	133	BH	Urgent
Entry/Exit	134	BA	Urgent
Entry/Exit restore	134	BH	Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Water (Flood) alarm	154	WA	Urgent
Water (Flood) alarm restore	154	WH	Urgent
Gas alarm	151	GA	Urgent
Gas alarm restore	151	GH	Urgent
Carbon Monoxide alarm	162	GA	Urgent
Carbon Monoxide alarm restore	162	GH	Urgent
Environmental alarm	150	UA	Urgent
Environmental alarm restore	150	UH	Urgent
Low Temperature (Freeze alarm)	159	ZA	Urgent
Low Temperature restore	159	ZH	Urgent
High Temperature	158	KA	Urgent
High Temperature restore	158	KH	Urgent
Zone fault	380	UT	Urgent
Zone fault restore	380	UJ	Urgent
Intruder fault	380	BT	Urgent
Intruder fault restore	380	BJ	Urgent
Zone omit	570	UB	Urgent
Zone omit restore	570	UU	Urgent
Intruder omit	573	BB	Urgent
Intruder omit restore	573	BU	Urgent
Zone supervision loss	381	UT	Urgent
Zone supervision restore	381	UJ	Urgent
Tamper	144	TA	Urgent
Tamper restore	144	TR	Urgent
Zone lost	381	UT	Urgent
Zone lost restore	381	UJ	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Soak fail	380	UT	Urgent
Soak fail restore	380	UJ	Urgent
Zone Alarm	134	BA	Urgent
Zone Alarm restore	134	BH	Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Zone confirm alarm	139	BV	Urgent
Zone confirm alarm restore	139		Urgent
No activity	393	NC	Urgent
No activity restore	393	NS	Urgent
Wireless Keypad			
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Wireless Keyfob			
Set	409	CS	Set/Unset
Unset	409	OS	Set/Unset
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Wireless Sounder			
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Sounder lost	355	BZ	Urgent
Sounder lost restore	355		Urgent
Wireless I/O Expander			
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
I/O Expander lost	355	BZ	Urgent
I/O Expander lost restore	355		Urgent
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
AC fault	301	AT	Non- urgent
AC fault restore	301	AR	Non- urgent
RF Jamming	380	XQ	Urgent
RF Jamming restore	380	XH	Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Miscellaneous			
Enter programming (local)	627	LB	Set/Unset
Exit programming (local)	628	LS (LX)	Set/Unset
Enter programming (Remote)	627	RB	Set/Unset
Exit programming (Remote)	628	RS	Set/Unset
ARC periodic test	602	RP	Non- urgent
Call back	411	RB	Non- urgent
System reset	305	RR	Urgent
Abort Alarm	406	BC	Urgent
Listen in begin	606	LF	Urgent
ARC keep alive (polling)	999	ZZ	Urgent
Cancel Report	406	OC	Urgent
Walk Test	607	BC	Non- urgent
Walk Test restore	607		Non- urgent
Exit Error	374		Non- urgent
Enter Quick Learn	627	LB	Urgent
Exit Quick Learn	628	LS	Urgent
Enter Service Mode	393	LB	Non- urgent
Exit Service Mode	393	LX	Non- urgent
Finished Uploading Pictures			Urgent
ARC Trigger		ZY	Non- urgent
ARC Fault			Non- urgent
Fail Cloud Communication			Non- urgent

Appendix B Engineer Event Log Messages

Event Message	Description
Activate PO=xx	PO XX activation
Actv PO=xx KF=zz	PO XX is activated from remote control ZZ
⌘AL Reinstate P=y	Alarm reinstatement on partition Y
Alarm abort P=y	Alarm aborted on partition Y
* Alarm Zone=xx	Alarm in zone no. XX
* Anti-code reset	Remote reset
Auto Add GSM	GSM Module added to the main unit
Auto Add IP card	IP Module added to the main unit
Auto Add MODEM	Modem added to the main unit
Auto Del GSM	GSM Module was removed from the main unit
Auto Del IP card	IP Module removed from the main unit
Auto Del MODEM	Modem removed from the main unit
Auto test fail	Failure of zone self-test
Auto test OK	Automatic zone self-test OK
* Set fail P=y	Partition Y failed to set
* Set:P=y C=zz	Partition Y armed by user no. ZZ
* Set:P=y KF=zz	Partition Y armed by remote control ZZ
* Bell tamper	Bell tamper alarm
Bell tamper rst	Bell tamper alarm restore
* Box tamper	Box tamper alarm from main unit
Box tamper rst	Box tamper alarm restore
* Omit Box+Bell	Box + Bell tamper is omitted
Omit code=xx	Omit code XX has been used
* Omit Trbl C=xx	System troubles were omitted by user XX
* Omit Zone=xx	Zone no. XX is omitted
Cancel Alarm P=x	Cancel alarm event has occurred from partition X. A valid user function is entered to reset the alarm after the defined Abort alarm time
Change code=xx	Changing user code XX
Change FM=yy	Changing Follow-Me number YY
Change tag=xx	Changing keypad tag for user XX
Clock not set	Time is not set
Clock set C=xx	Time defined by user no. XX
Cloud Connected " ,	Cloud communication channel is functioning
Cloud Disconnect" , //	Cloud communication channel is not functioning
CO Alarm Zn=xx	CO alert from zone XX defined as a CO detector

Event Message	Description
CO Rst. Zn=xx	CO alert restored from zone XX defined as a CO detector
Com ok IP card	Communication OK between the Agility and IP card
Comm OK Sounder=y	Communication OK between the Agility and Sounder Y
Comm. OK GSM	Communication OK between the Agility and GSM
Comm.OK I/O Mdl.	Communication OK between the Agility and I/O module
* Conf. alarm P=y	Confirmed alarm occurred in partition Y
✤Conf. Hold-Up P=y	Confirmed Hold-Up Alarm in partition Y
Confirm rs Z=xx	Restore zone confirmed alarm
* Confirm Zone=xx	Confirmed alarm occurred from zone XX
CP reset	The control panel has reset
Date set C=xx	Date defined by user no. XX
* Day Set:P=y	Daily set on partition Y
Day unset:P=y	Daily unset on partition Y
* Day stay: P=y	Daily PART setting in partition Y
✤Device Tmpr Omit	Device Tamper Omit
* Unset:P=y C=zz	Partition Y unset by user ZZ
* Unset: P=y KF=zz	Partition Y unset by remote control ZZ
Duress C=xx	Duress alarm from user no. XX
Enter program	Entering engineer programming from keypad or configuration software
Exit Error Zn=xx	Exit error event from zone XX The zone was left open at the end of the exit time
Exit program	Exiting engineer programming from keypad or configuration software
False code	False code alarm
False restore	False code alarm restore
Fire Keypad=y	Fire alarm from wireless keypad Y
Fire main KP	Fire alarm from
Fire ok Zone=xx	Fault restore in fire zone no. XX
Fire Flt Zn=xx	Fault in fire zone no. XX
* Fire Zone=xx	Fire alarm in zone no. XX
Foil ok Z=xx	Restore in foil (Day) zone no. XX
Foil Zone=xx	Fault in foil (Day) zone no. XX
Forced P=y	Partition Y is force armed
Found Zone=xx	Wireless zone found, zone no. XX
* Gas Alarm Zn=xx	Gas (natural gas) alert from zone XX defined as a gas detector
Gas Rst. Zn=xx	Gas (natural gas) alert restored from zone XX defined as a gas detector
GSM:IP OK	IP connection OK
GSM:IP Fault	IP address is incorrect

Event Message	Description
GSM:Mdl comm.OK	Communication between the GSM/GPRS Module and the Agility is OK
* GSM: Module comm.	Internal GSM/GPRS BUS module fault
* GSM:NET avail.	GSM network is not available
GSM:NET avail.OK	GSM Network is available
GSM:NET signl.OK	GSM Network quality is acceptable
GSM:NET signal	The GSM RSSI level is low
GSM:PIN code err	PIN code entered is incorrect
GSM:PIN code OK	PIN code is correct
GSM:PUK Code err	PUK code required
GSM:PUK Code OK	PUK Code entered is correct
GSM:SIM OK	SIM Card in place
GSM:SIM fault	SIM card missing or not properly sited
H.Temp rst Zn=xx	High temperature alert restored from zone XX defined as a temperature detector
* High Temp. Zn=xx	High temperature alert from zone XX defined as a temperature detector
⌘HU Reinstate P =Y	Hold-Up Reinstatement in partition y
I/O:AC Rstr	AC power restore on I/O module
I/O:AC Fault	AC power fault on I/O module
I/O: Battery Rstr	I/O module battery fault restored
* I/O: Battery Flt	I/O module battery fault alert
* I/O: Jamming	I/O module jamming alert
I/O: Jamming Rstr	I/O module jamming alert restored
* I/O: Lost	I/O module is regarded as lost following supervision test
* I/O: Tamper	I/O module tamper alert
I/O: Tamper Rstr	I/O module tamper alert restored
IO: Lost Restore	The Agility received a signal from I/O module after it has been regarded as lost
IPC:DHCP error	Failed to acquire an IP address from the DHCP server
IPC:DHCP ok	Succeeded to acquire an IP address from the DHCP server
* IPC: Network err	Failed to connect to IP network
IPC: Network ok	Successful connection to IP network
IPC:NTP error	Failed to acquire time data from the time server
IPC:NTP ok	Succeeded to acquire time data from the time server
Jamming OK Zn=xx	Zone XX jamming OK
Jamming restore	Wireless receiver jamming restore
* Jamming Z=xx	Zone XX jamming fault
KeyBox Open Z=!!	Zone XX defined as KeyBox type is open
KeyBox Rst Z=!!	Zone XX defined as KeyBox type is closed

Event Message	Description
KP=y Low Bat.Rst	Low battery fault restored from keypad Y
* KP=y Low Battery	Low battery fault from keypad Y
* Ksw full set:P=y	Partition Y is set by key switch
* Ksw unset:P=y	Partition Y is unset by key switch
L.bat rstr KF=yy	Low battery fault restore from wireless remote control YY
L.Temp rst Zn=xx	Low temperature alert restored from zone XX defined as a temperature detector
* Lost Zone=xx	Wireless zone lost, zone no. XX
Low Bat rs Z=xx	Low battery fault restored from wireless zone no. XX
Low bat. Zn=xx	Low battery fault from wireless zone no. XX
Low bat.KF=yy	Low battery fault from wireless remote control XX
* Low Temp. Zn=xx	Low temperature alert from zone XX defined as a temperature detector
Main:AC restore	AC power restore on main panel
Main: Battery rst	Low battery fault restore from the main panel
Main: Low AC	Loss of AC power from the main panel
Main: Low battery	Low battery fault from the main panel
* ARC=y call error	Communication fail fault to ARC phone no. Y
* ARC=y restore	Communication fail fault restore to ARC phone no. Y
* Msg Box Tamper	Tamper alarm from the Listen In message box unit
Msg Box Tmp Rst.	Tamper alarm restore from the Listen In message box unit
No Com IP card	Communication failure between the Agility and IP card
* No comm I/O Mdl.	Communication failure between the Agility and I/O module
* No comm Sounder=y	Communication failure between the Agility and sounder Y
* No comm. GSM	No communication between the GSM/GPRS Module and the Agility
* Phone fail	If the phone line is cut or the DC level is under 1V
Phone restore	Phone line fault restore
* Police Keypad=y	Police (panic) alarm from wireless keypad Y
* Police KF=yy	Police (panic) alarm from remote control YY
PTM: Send Data	Load new parameters into the Agility from PTM accessory
* Radio l.bat S=y	Radio low battery fault from sounder Y
Radio l.bat rS=y	Radio low battery restore from sounder Y
* Remote full set:P=y	The system has been set from the configuration software
* Remote program	The system has been programmed from the configuration software
* Remote part set:P=y	The system has been armed in PART Set mode from the configuration software
Restore Zone=xx	Alarm restore in zone no. XX
* RF Jamming	Wireless receiver jamming
Rmt unset:P=y	Partition Y unset from the configuration software
* Sounder=y Lost	Sounder Y is regarded as lost following supervision test

Event Message	Description
Sounder=y Lost Rst	The Agility received a signal from sounder Y after it has been regarded as lost
Soak fail Z=xx	Zone XX has failed in the soak test
Special KP=y	Special alarm from the from wireless keypad Y
Spkr l.bat rsS=y	Speaker low battery restore from sounder Y
* Spkr low bat S=y	Speaker low battery fault from sounder Y
Start exit P=y	Exit time started in partition Y
* Part:P=y C=zz	Partition Y part set by user ZZ
* Part: P=y KF=zz	Partition Y part set by remote control ZZ
* Tamper I/O Mdl.	Tamper alarm from I/O module
Tamper I/O Mdl.	Tamper alarm restored from I/O module
* Tamper Keypad=y	Tamper alarm from keypad ID=Y
Tamper rs Zn=xx	Tamper alarm restore on zone no. XX
Tamper rst KP=y	Keypad Y tamper restore
* Tamper Sounder=y	Tamper alarm from wireless sounder Y
* Tamper Zone=xx	Tamper alarm from zone no. XX
* Tech alarm Zn=xx	Alarm from zone XX defined as Technical
Tech rstr Zn=xx	Alarm restored from zone XX defined as Technical
Tmp rstr Sounder=y	Tamper alarm restore from wireless sounder Y
UnOmit Box+Bell	Box + Bell reinstated from omit
UnOmit Zone=xx	Zone no. XX is reinstated from omit
Unknown event	***Unknown event alert***
User login C=xx	User XX has entered into programming mode. User 99 represents remote programming from the configuration software
* Water Alrm Zn=xx	Flood alarm from zone no. XX
Water rstr Zn=xx	Flood alarm restore on zone no. XX
Z=xx auto bad	Zone self-test failed, zone no. XX
Z=xx auto ok	Zone self-test OK, zone no. XX
Zn=xx Fault	Zone fault event from zone XX
Zn=xx Fault OK	Zone fault event restore from zone XX

* Event message display cannot be suppressed, as specified by EN50131-1-2006.

⌘From Software version 3.70

Appendix C Library Voice Messages

001	(Custom)
002	(Custom)
003	(Custom)
004	(Custom)
005	(Custom)

A

006	A
007	Above
008	Air conditioner
009	An
010	And
011	Apartment
012	Area
013	At
014	Attic

B

015	Baby's room
016	Back
017	Balcony
018	Basement
019	Bathroom
020	Bedroom
021	Before
022	Behind
023	Bottom
024	Boy's room
025	By
026	Bottom
027	Boys Room
028	Branch
029	Building
030	By

C

031	Cabinet
032	Caf
033	Camera
034	Canteen
035	Ceiling
036	Cellar
037	Central Heating
038	Children
039	Classroom
040	Cleaner
041	CO
042	Computer
043	Conference
044	Conservatory

D

050	Desk
051	Detector
052	Device
053	Dining
054	Door
055	Down
056	Downstairs
057	Dressing
058	Drive

E

059	East
060	Element
061	Emergency
062	Engine
063	Entrance
064	Entry
065	Escape
066	Executive
067	Exit
068	External

F

069	Family
070	Fence
071	Fire
072	First
073	Flood
074	Floor
075	For
076	Foyer
077	Freeze
078	Front

G

079	Game
080	Garage
081	Garden
082	Gas
083	Gate
084	Gents
085	Girl's room
086	Glass
087	Grocery
088	Ground
089	Guest
090	Gym

H

091	Hall

K

102	Kitchen

L

103	Lab
104	Ladies
105	Landing
106	Laundry
107	Lavatory
108	Left
109	Library
110	Lift
111	Light
112	Living
113	Lobby
114	Low

M

115	Machine
116	Macro
117	Magnet
118	Maids Room
119	Main
120	Master
121	Medical
122	Middle
123	Motion

N

124	Near
125	New
126	North
127	Nursery

O

128	Of
129	Office
130	On
131	Outbuilding
132	Outdoor
133	Output
134	Outside

P

135	Panic
136	Partition
137	Passage
138	Patio
139	Perimeter
140	Pool
141	Porch

R

S

150	Safe
151	Safety
152	Second
153	Shed
154	Shock
155	Shop
156	Shutter
157	Side
158	Site
159	Smoke
160	South
161	Space
162	Sprinkler
163	Stairs
164	Store
165	Student
166	Study
167	Suite

T

168	Technical
169	Temperature
170	Third
171	To
172	Top
173	**TV**

U

174	Under
175	Up
176	Upstairs
177	Utility

V

178	Vestibule
179	Video camera

W

180	Wall
181	Warehouse
182	Washroom
183	West
184	Window

Y

185	Yard

Z

186	Zone
	Numbers
187	0
188	1

045	Contact
046	Container
047	Control
048	Corner
049	Curtain

092	Hallway
093	**Hanger**
094	High
095	House

I

096	In
097	Indoor
098	Inside
099	Interior
100	Internal
101	Is

142	Rear
143	Reception
144	Refrigerator
145	Relay
146	Restaurant
147	Right
148	Roof
149	Room

189	2
190	3
191	4
192	5
193	6
194	7
195	8
196	9
197	10

Appendix D Remote Firmware Upgrade

This appendix explains how to perform remote upgrade of your Agility main panel software using the Agility Configuration Software. Remote software upgrade is performed via IP or GPRS.

Prerequisites

- Agility Configuration Software version 1.0.1.7 and later
- Agility Main Panel version 1.77 and later
- Agility system equipped with a GSM/GPRS or IP module

Note: Back up panel parameters into the Configuration Software before performing software upgrade. With established connection to the Agility main panel:

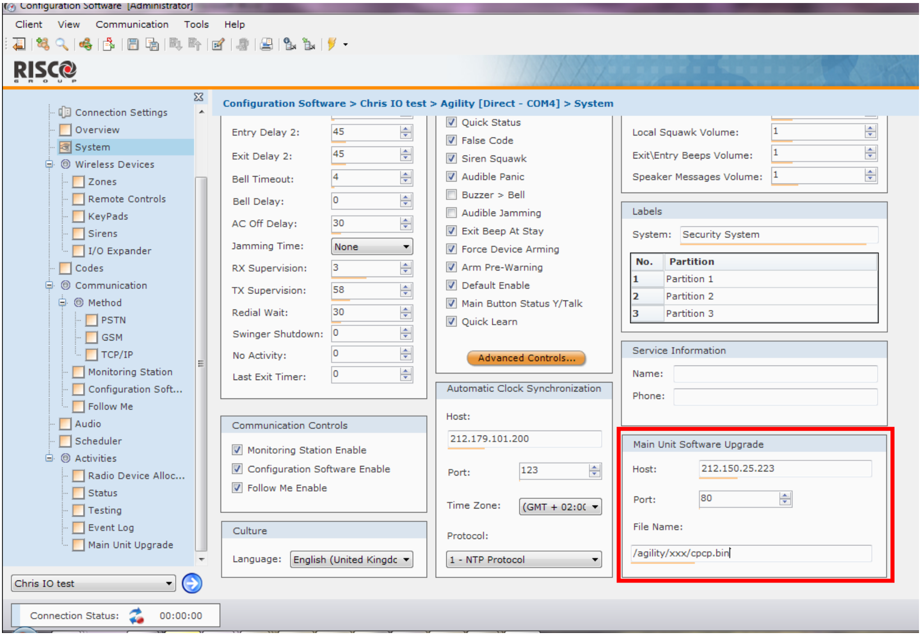
Communication > Receive > All

Step 1: Verify the current version of your Agility main panel

In order to later confirm that the upgrade procedure has been successful (step 4), take note of the current version of your Agility main panel software.

1. Login to the Agility Configuration Software program.
2. Select a client.
3. Click **Connect** ⚡▾ to establish connection to the Agility main panel.
4. Go to the **Activities → Testing** screen.
5. In the *Main Unit* tab, click on the **Test** button. The current version of the main panel appears in the *Panel version* textbox.

Step 2: Enter the location of the upgrade file



Configuration Software > Chris IO test > Agility [Direct - COM4] > System

Entry Delay 2: 45
Exit Delay 2: 45
Bell Timeout: 4
Bell Delay: 0
AC Off Delay: 30
Jamming Time: None
RX Supervision: 3
TX Supervision: 58
Redial Wait: 30
Swinger Shutdown: 0
No Activity: 0
Last Exit Timer: 0

☑ Quick Status
☑ False Code
☑ Siren Squawk
☑ Audible Panic
□ Buzzer > Bell
□ Audible Jamming
☑ Exit Beep At Stay
☑ Force Device Arming
☑ Arm Pre-Warning
☑ Default Enable
☑ Main Button Status Y/Talk
☑ Quick Learn

Local Squawk Volume: 1
Exit\Entry Beeps Volume: 1
Speaker Messages Volume: 1

Labels

System: Security System

No.	Partition
1	Partition 1
2	Partition 2
3	Partition 3

Service Information

Name:

Phone:

Communication Controls

☑ Monitoring Station Enable
☑ Configuration Software Enable
☑ Follow Me Enable

Automatic Clock Synchronization

Host: 212.179.101.200

Port: 123

Time Zone: (GMT + 02:0(

Protocol: 1 - NTP Protocol

Main Unit Software Upgrade

Host: 212.150.25.223

Port: 80

File Name: /agility/xxx/cpcp.bin

Culture

Language: English (United Kingdc

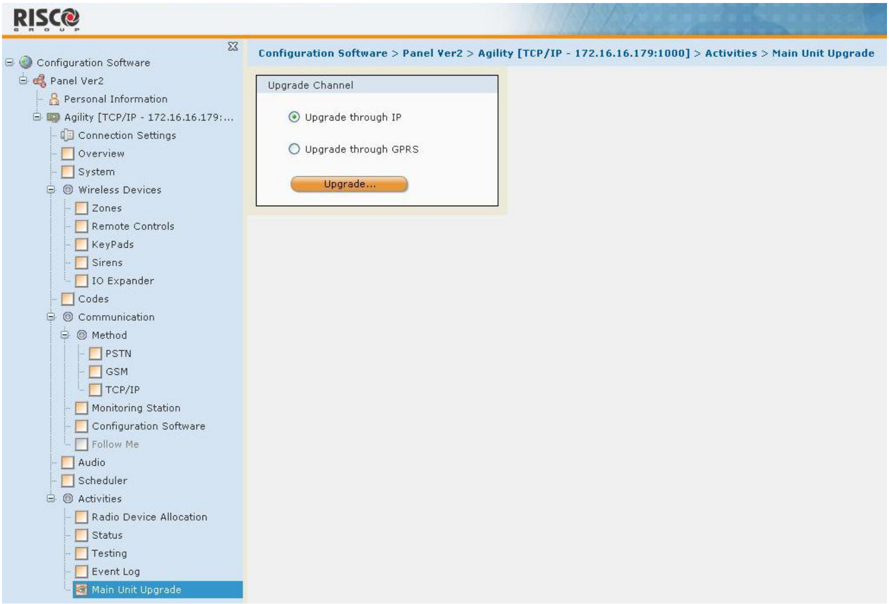
Connection Status: 00:00:00

1. In the **System** screen, in the *Main Unit Software Upgrade* section, enter the relevant information regarding the location of the upgrade file:
   - **Host**: Enter the IP address of the router/gateway where the upgrade file is located.
     Default: **212.150.25.223**
   - **Port**: Enter the port on the router/gateway where the upgrade file is located.
     Default: **80**
   - **File Name**: Enter the upgrade file name. For example: /Agility/0UK/cpcp.bin

   Please contact Customer Support services for the file name parameters.

2. Click **Send** .

Step 3: Perform upgrade



Configuration Software > Panel Ver2 > Agility [TCP/IP - 172.16.16.179:1000] > Activities > Main Unit Upgrade

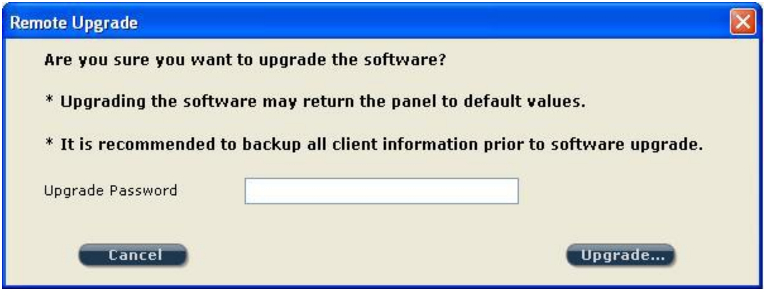
Upgrade Channel

● Upgrade through IP

○ Upgrade through GPRS

Note: Make sure you are online and connected to the Agility main panel (if not, click **Connect**).

1. In the **Activities → Main Unit Upgrade** screen select the Upgrade Channel from two options:
   - **Upgrade through IP**
   - **Upgrade through GPRS**
2. Click on the **Upgrade…** button. The following dialog box appears:



Remote Upgrade

Are you sure you want to upgrade the software?

* Upgrading the software may return the panel to default values.

* It is recommended to backup all client information prior to software upgrade.

Upgrade Password

The message that appears informs you that remote software upgrade may result in returning the main panel to its default values, therefore it is recommended to backup all client information before performing the upgrade.

3. Enter the Upgrade Security password and click **Upgrade…**.
   Please contact Customer Support services at your local RISCO Group branch for the password.
   Note: For users with Agility Configuration Software version 1.0.2.0 and above, the following message will appear: "*The upgrade process will commence after disconnecting this session.*"
   Click **OK**.

4. Disconnect from the current session (Click **Disconnect** ⚡) to begin the upgrade procedure. The LEDs on the Agility main panel will begin to flash during the upgrade procedure as follows: The Power ⏻ LED will light up and the other LEDs will flash rapidly.

Notes:

1. The upgrade procedure may take approximately 13 minutes to complete. This will vary according to whether the procedure is performed via GPRS or IP.
2. If upgrade fails, the previous Agility main panel software version is automatically recovered.

Step 4: Restoration of panel — system communication

In the event that the firmware upgrade involved a database change, the panel resets all parameters (except those for communication, as per the list below*). In this case, to re-enable the Agility — panel communication, reconnect to the panel from Configuration Software and "Send All" parameters as follows::

Communication > Send > All

Consult RISCO technical support for further details.

* Saved communication parameters list:

System Parameters:

- i. CS Enable
- ii. FM Enable.
- iii. MS Enable
- iv. Cloud Enable
- v. Disable incoming call
- vi. Random periodic test
- vii. SIA with text
- viii. CS Call back

b. MS Parameters:

- i. MS LOCK

c. Configuration Software Parameters:

- i. Access code
- ii. Remote ID
- iii. All the CS enable flags (PSTN, IP, GSM in, out, SCD).
  1. CS via GPRS (out)
  2. CS via GPRS (List)

3. CS via CSD
4. CS via IP
5. CS via Modem

d. Codes:

- i. Installer code
- ii. Sub installer code
- iii. GM Code

e. GSM Parameters:

- i. GSM APN code
- ii. GSM APN user
- iii. GSM APN password
- iv. GSM PIN Code

f. IP Module Parameters:

- i. IP Dynamic/Static
- ii. IP Address
- iii. IP Subnet
- iv. IP Gateway
- v. IP NetBIOS name
- vi. IP DNS1
- vii. IP DNS2

g. Cloud Parameters:

- i. Cloud CHANNEL
- ii. Cloud PASSWORDELAS PORT.
- iii. Cloud IP

Appendix E Engineer Programming Maps

1) Programming 2) Testing	See programming menu on page 135.		
	1) Main Unit		
		1) Noise Level 2) Sounder 3) Speaker	4) Battery 5) Version 6) Serial Number
	2) Zone		
		1) Communication Test 2) Battery Test	3) Walk Test 4) Version
	3) Keyfob		
		1) Communication Test 2) Battery Test	3) Version
	4) Keypad		
		1) Communication Test 2) Battery Test	3) Version
	5) Sounder		
		1) Communication Test 2) Battery Test 3) Sound Test	4) Noise Level 5) Version
	6) GSM		
		1) Signal 2) Version	3) IMEI
	7) IP Unit		
		1) IP Address 2) Version	3) MAC Address
	8) I/O Module		
		1) Communication Test 2) Battery Test	3) Version
3) Activities			
	1) Main Buzzer 2) KP Sleep Time 3) Sounder TMP Mute 4) Avoid Report Prog 5) Omit Box Tamp 6) Engineer Reset 7) CS Connect 8) Firmware Update		
4) Follow Me			
	1) Define 2) Test Follow Me		
5) Clock			
	1)Time and Date 2) Scheduler Enable 3) Auto. Clock		
		1) Server 2) Host	3) Port 4) Time Zone
6) Event Log 7) Macro			

Engineer Programming menu:

- 1) System
  - **1) Timers**
    - 1) Ex/En Delay 1
    - 2) Ex/En Delay 2
    - 3) Bell Timeout
    - 4) Bell Delay
    - 5) AC Off Delay
    - 6) Jamming Time
    - 7) RX Supervise
    - 8) TX Supervise
    - 9) Redial Wait
    - 0) More
      - 1) Swinger limit
      - 2) No Activity
      - 3) Last Exit Sound
      - 4) Entry Omit
      - 5) Service Time
  - **2) Controls**
    - 1) Basic
      - Quick Set
      - Allow Omit
      - Quick Status
      - False Code Fault
      - Sounder Squawk
      - Audible Panic
      - Buzzer → Bell
      - Audible Jamming
      - Exit P.Set Beeps
      - Forced Setting
      - Set Pre-Warning
      - Default Enable
      - Stat=Y/Talk=N
      - Quick Learn
    - 2) Advanced
      - Area Mode
      - Global Follower
      - Summer/Winter
      - 24 Hour Omit
      - Tamper Reset
      - Engineer Reset
      - Engineer Tamper
      - Low Battery Set
      - Sounder Pre-alarm
      - Bell 30/10
      - Fire Pattern
      - IMQ (Italy Only)
      - Disable Incoming Call
      - Omit Unique Code
      - Silent Remote Install

	3) Communication	
		ARC Enable
		Configuration Software Enable
		FM Enable
		Cloud Enable
	4) EN 50131	
		Authorize Engineer
		Override Fault
		Restore Alarm
		Mandatory Events
		Restore Troubles
		Exit Alarm
		Entry Alarm
		20 Minutes Signal
		Attenuation
	5) PD6662:2010	
		Omit Exit/Entry
		Entry Disable
		Route Disable
		Engineer Confirmation
		Keyswitch Lock
		Entry Unset
	6) CP-01	
		Exit Restart
		Auto Part Set
		Exit Error
		3 Min. Omit
3) Labels		
	1) System	
	2) Partition 1	
	3) Partition 2	
	4) Partition 3	
4) Sounds		
	1) Tamper Sound	
		Silent
		Bell
		Buzzer (main)
		Bell + Buzzer
		Bell/A + Buzzer/D
		Bell/A + S/Unset
	2) Local Alarm	
	3) Local Squawk	
	4) Ex/En Beeps	
	5) Speaker Volume	
5) Settings		
	1) Default Panel	
	2) Erase WL Device	
	3) Language	
	4) Standards	
		EN 50131 Default!

PD6662 Default!

CP-01 Default!

5) Customer

6) Service Info

1) Service Name

2) Phone

7) Firmware Update

1) Server IP

2) Server Port

3) File Path

8) Picture Server

1) Server IP

2) Server Port

3) File Path

4) Username

5) Password

6) Image Channel

2) Radio Devices

1) Allocation

1) RF Allocation

2) By Serial code

3) Zone Allocation

2) Modification

1) Zones

1) Parameters

1) Label

2) Serial No.

3) Partition

4) Type

5) Sound

6) Advanced

1) Chime

2) Control

Supervision

Forced Setting

No Activity

LED Enable

Abort Alarm

3) Detection Mode

4) Sensitivity

5) Camera Parms

Images at Alarm

Image Interval

Image Pre-Alarm

Image Resolution

Image Quality

Colored Image

6) X73 Contact

Magnet

Alarm Hold On

- Input Termination
- Input Response Time
- Magnet

- 7) Two-way Smoke Detector
  - Operation Mode

- 2) Alarm Confirmation
  - 1) Confirm Partition
  - 2) Confirm Zones
- 3) Soak Test
- 4) Cross Zones

- 2) Keyfobs
  - 1) Parameters

1-Way Keyfob	***2-Way Keyfob***
1) Label	1) Label
2) Serial No.	2) Serial No.
3) Partition	3) Partition
4) Button 1	4) PIN Code
5) Button 2	5) Panic Enable
6) Button 3	6) PO Button 1
7) Button 4	7) PO Button 2
	8) PO Button 3

  - 2) Controls
    - Instant Set
    - Instant Part
    - Code Unset
  - 3) Parent Control
- 3) Keypads
  - 1) Parameters
    - 1) Label
    - 2) Serial No.
    - 3) Emergency Keys
    - 4) Function Key (LCD Only)
    - 5) PO Control
    - 6) Mode (Slim only)
    - 7) Door Bell Sound(Slim only)
  - 2) Controls
    - RF Wake-up
- 4) Sirens
  - 1) Label
  - 2) Serial Number
  - 3) Partition
  - 4) Supervision
  - 5) Volume
    - 1) Alarm
    - 2) Squawk
    - 3) Exit Entry
  - 5) Strobe (Ext.l)
    - 1) Strobe Ctrl
    - 2) Strobe Blink
    - 3) Strobe Set Blink
- 5) I/O Modules

- 1) Wired Zones
  - 1) Label
  - 2) Partition
  - 3) Type
  - 4) Sound
  - 5) Advanced
    - 1) Chime
    - 2) Control
    - 3) Termination
    - 4) Loop Response
    - 5) Detection Mode
- 2) Outputs
  - 1) Label
  - 2) Type
  - 3) Pattern
  - 4) Pulse Length
- 3) X-10 Outputs
  - 1) Label
  - 2) Type
  - 3) Pattern
  - 4) Pulse Length
- 4) Parameters
  - 1) Serial No.
  - 2) Control
    - 1) Supervision
    - 2) Quick PO/X10
  - 3) X10 House ID
  - 4) PO DTMF Control

- **3) Identification**

- 3) Codes
  - **1) User**
    - 1) Label
    - 2) Partition
    - 3) Authority
      - User
      - Cleaner
      - Set Only
      - Duress
      - Door Omit
  - **2) Grand Master**
  - **3) Engineer**
  - **4) Sub-Engineer**
  - **5) Code Length**
    - 4 Digits
    - 6 Digits
  - **6) DTMF Code**
  - **7) Parent Control**
- 4) Communication
  - **1) Method**
    - 1) PSTN

- 1) Timers
    - 1) PSTN Lost Delay
    - 2) Wait for Dial Tone
- 2) Controls
    - Alarm Line Cut
    - Answer Machine Override
    - CS via PSTN
- 3) Parameters
    - 1) Rings to Answer
    - 2) Area Code
    - 3) PBX Prefix

- 2) GSM
    - 1) Timers
        - 1) GSM Lost
        - 2) SIM Expire
        - 3) ARC Keep Alive (Polling)
    - 2) GPRS
        - 1) APN Code
        - 2) APN Username
        - 3) APN Password
    - 3) Email
        - 1) Mail Host
        - 2) SMTP Port
        - 3) Email Address
        - 4) SMTP Username
        - 5) SMTP Password
    - 4) Controls
        - Caller ID
        - Disable GSM
        - CS via GPRS (out)
        - CS via GPRS (Listener mode)
        - CS via CSD
    - 5) Parameters
        - 1) SIM PIN Code
        - 2) SMS Center Phone
        - 3) GSM RSSI
        - 4) SIM Number
    - 6) Pre-Paid SIM
        - 1) Get Credit by
        - 2) SMS Receive Phone
- 3) IP
    - 1) IP Configuration
        - 1) Obtain IP
        - 2) Panel IP/Port
        - 3) Subnet Mask
        - 4) Gateway
        - 5) DNS Primary
        - 6) DNS Secondary
    - 2) E-mail

            - 1) Mail Host
            - 2) SMTP Port
            - 3) E-mail Address
            - 4) SMTP Name
            - 5) SMTP Password
        - 3) Host Name
        - 4) ARC Keep Alive (Polling)
        - 5) Controls
            - Disable IP
- **2) Monitoring Station**
    - 1) Report Type
        - Voice
        - SMS
        - IP
        - SIA IP
    - 2) Accounts
    - 3) Comm Format
        - Contact ID
        - SIA
    - 4) Controls
        - Handshake
        - Kissoff
        - SIA Text
        - Random ARC Test
    - 5) Parameters
        - 1) ARC Retries
        - 2) Alarm Restore
        - 3) Encryption Key
    - 6) ARC Timers
        - 1) Periodic Test
        - 2) Abort Alarm
        - 3) Cancel Delay
        - 4) Listen In
        - 5) Confirmation
        - 6) No Set
    - 7) Report Split
        - 1) ARC Set/Unset
        - 2) ARC Urgent
        - 3) ARC Non Urgent
    - 8) Report Codes
        - 1) Edit Codes
        - 2) Delete All
- **3) Configuration s/w**
    - 1) Security
        - 1) Access code
        - 2) Remote ID
        - 3) ARC Lock
    - 2) Call Back
        - Call Back Enabled
        - Call Back Phones

- 3) CS / IP Gateway
- 4) IP Address
- 5) IP Port
- 6) Listener Port

4) Follow-Me

- 1) Define
  - 1) Report type
    - Voice
    - SMS
    - Email
  - 2) Events
  - 3) Restore events
  - 4) Remote control
    - Remote listen
    - Remote program
  - 5) Partition
- 2) Controls
  - Unset stop FM
- 3) Parameters
  - 1) FM Retries
  - 2) Voice Mesg Rec
  - 3) Periodic test

5) Cloud

- 1) IP Address
- 2) IP Port
- 3) Password
- 4) Channel
- 5) Controls
  - ARC Call All
  - FM Call All

5) Audio

1) Assign Message

- 1) Zone
- 2) Partition
- 3) Output
- 4) X10 output
- 5) Macro

2) Local Message

0) Exit

Appendix F EN 50131 and EN 50136 Compliance

Compliance Statement

Hereby, RISCO Group declares that the Agility series of central units and accessories are designed to comply with:

- EN50131-1, EN50131-3 Grade 2
- EN50130-5 Environmental class II
- EN50131-6 Type A
- UK: DD243:2004, PD 6662:2004, ACPO (Police)
- USA: FCC: Part 15B, FCC part 68
- CANADA: CS-03, DC-01

EN50136 Compliance

- IP and GSM modules are complying with the following standards:
    - EN50136-1-1
    - EN50136-1-1/A2
    - EN50136-2-1
    - EN50136-2-1/A1
    - EN50136-2-2:1998
- PSTN Module complies with the following standards:
    - EN50136-1-2:1998
    - EN50136-1-3:1998
    - EN50136-2-2:1998
    - EN50136-2-3:1998
    - EN50136-1-4:1998
    - EN50136-2-4:1998
- PSTN module can be connected to Alarm Receiving Centre via any EN50136 compliant receiver, which shall meet all requirements of securing messages.
- When IP and/or GSM modules are in use, IP Receiver software is also in use. The IP Receiver should be connected to automation software, which serves as the EN50136-2-1 A1:2001 annunciator. If connection between the IP Receiver and the automation software is lost, an error message will appear on the IP Receiver queue.
- In order to have an indication of ACK received from the receiving center transceiver, the parameter Kiss-Off Y/N (see page 94) should be set to Y.

Possible logical keys calculations:

- Logical codes are codes punched in the wireless keypad to allow Level 2 (users) and Level 3 (engineer) access.
- All codes - 4 digits structure: xxxx
- 0-9 can be used for each digit.
- There are no disallowed codes - codes from 0001 to 9999 are acceptable.
- Invalid codes cannot be created due to the fact that after the code 4th digit has been punched, "Enter" is automatically applied. Code is rejected when trying to create a non existing code.

Possible physical keys calculations:

- Physical keys are implemented in the Wireless Keyfobs.
- It is assumed that only a user possesses a Keyfobs, therefore a physical key is considered as access Level 2
- Each Keyfob has 24 bit identification code comprising 2^24 options.
- A Keyfob has to be recognized and registered by the Agility, therefore, a "write" process must be performed.
- A valid Keyfob is one "Learned" by the panel and allowing Set/Unset
- A non valid Keyfob is one not "Learned" by the panel and not allowing Set/Unset.

System Monitoring

- The main unit is monitored for AC fault, battery fault, low battery and more.
- The I/O Wireless Expander is monitored for AC fault, battery fault, low battery and more.
- All other wireless elements are monitored for low voltage battery.

Setting the Agility to comply with EN 50131 requirements

1. Access the Engineer programming mode.
2. From the [1] System menu select [5] to access the Settings menu.
3. From the Settings menu select [4] to access the Standard option.
4. Select EN 50131. Once selected, the following changes will occur in the Agility software:

Report Codes Feature	EN 50131 Compliance
Timers	
Phone Line cut delay	Immediate (0 minutes)
Entry Delay	45 seconds (maximum allowed)
AC Delay	Immediate (0 minutes)

Report Codes Feature	EN 50131 Compliance
Jamming Time	0 minutes
RX Supervision	2 hours
System Controls	
Quick Set	Set to NO
False Code Fault	Set to Yes
Forced Setting	Set to NO
Authorize engineer	Set to YES
Override Fault	Set to NO
Restore Alarm	Set to YES
Mandatory Event Log	Set to YES
Restore Fault	Set to YES
Exit Alarm	Set to NO
20 Minutes Signal	Set to YES
Entry Alarm	Set to NO
Attenuation	Set to YES

Appendix G SIA CP-01 Compliance

Compliance Statement

Hereby, RISCO Group declares that the Agility series of central units and accessories are designed to comply with SIA CP 01.

The minimum requirement system for SIA-FAR Installations to comply with CP-01 standards:

- A minimum of 1 keypad (Agility KP) must be installed
- 1 CP-01 Control Panel (Agility Main)
- All system keypads must be audible (mute disabled).

Setting the Agility to comply with SIA CP 01 requirement

5. Access the Engineer programming mode.
6. From the [1] System menu select [5] to access the Settings menu.
7. From the Settings menu select [4] to access the Standard option.
8. Select CP 01, once selected, the following changes will occur in the Agility software:

Report Codes

Feature	CP 01 Compliance
Timers	
Phone Line cut delay	Immediate (0 minutes)
Entry Delay	45 seconds (maximum allowed)
AC Delay	Immediate (0 minutes)
Jamming Time	0 minutes
RX Supervision	2 hours
System Controls	
Quick Set	Set to NO
False Code Fault	Set to Yes
Forced Setting	Set to NO
Authorize engineer	Set to YES
Override Fault	Set to NO
Restore Alarm	Set to YES
Mandatory Event Log	Set to YES
Restore Fault	Set to YES
Exit Alarm	Set to NO

Report Codes

Feature	CP 01 Compliance
20 Minutes Signal	Set to YES
Entry Alarm	Set to NO
Attenuation	Set to YES

Feature	Range	Shipping default	Quick Key / Remark
Exit Delay time	45 sec - 255 sec	45 seconds	[1][1][1][2] / [1][1][2][2]
Progress annunciation	Not programmable	Enabled	
Exit Restore	For re-entry during exit delay	Enabled	[1][2][41]
Auto Part set on un-vacated premises	If there is no exit after full set	Enabled	[1][2][42]
Entry Delay(s)	30 sec - 240 sec**	30 seconds	[1][1][1][1] / [1][1][2][1]
Abort Window - for non-fire zones	May be disabled by zone	Enabled	[2][0][4]
Abort window- for non-fire zones	15 sec - 45 sec**	30 seconds	[5][6][0][1]
Abort annunciation	Annunciate that no alarm was transmitted	Enabled	LCD Display message
Communication Cancel window	5-255 minutes	005 minutes	[5][6][0][2]
Duress feature	Not a duplicate of other user codes	Disabled	[4][1] Can define dedicated user with authority level
Cross zoning	(XX) sec 1-9 minutes	Disabled	[2][7]
Swinger shutdown	For all non-fire zones, shutdown at 1 or 2 trips	One trip	[5][6][8]

Feature	Range	Shipping default	Quick Key / Remark
Fire alarm verification	Depends on sensors	Enabled	[1][2][10]
Call waiting cancel	Depends on user phone line	Disabled (Empty string)	[5][6][0][3] String required for activation
System test (test report + walk test mode + sounder)	Test periodically	Disabled	[6][8][0][5] / [6][8][0][6] Report to ARC enabled when report code is entered
AC Power Loss indication		Enabled	LCD message display during AC power loss

Notes

Notes

RISCO Group Limited Warranty

RISCO Ltd. ,its subsidiaries and affiliates (the "Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production.

Because the Seller does not install or connect the product, and because the product may be used in conjunction with products not manufactured by the Seller, the Seller cannot guarantee the performance of the security system which uses this product.

The Seller's obligation and liability under this warranty is expressly limited to repairing and replacing, at the Seller's discretion, within a reasonable time after the date of delivery, any product not meeting these specifications.

The Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose.

Under no circumstances should the Seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.

The Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay.

The Seller does not warrant that the product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by intruders, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection.

The buyer/customer understands that a correctly installed and maintained alarm may only reduce the risk of intruders, robbery or fire without warning, but is not an insurance or a guarantee that such an event will not occur or that there will be no personal injury or property loss as a result thereof.

Consequently the Seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning.

However, if the Seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Seller's maximum liability shall not exceed the purchase price of the product, which shall be a complete and exclusive remedy for the Seller.

No employee or representative of the Seller is authorized to change this warranty in any way or grant any other warranty.

Batteries installed in or used with the products are explicitly excluded from this or any other warranty. Seller gives no warranty whatsoever as to batteries and buyer's only remedy (if any) shall be in accordance with the warranty provided (if and to the extent provided) by the manufacturers of batteries.

Contacting RISCO Group

RISCO Group is committed to customer service and product support. You can contact us through our website www.riscogroup.com or as follows:

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