







#### IMPORTANT: The following information is for disassembled Control Panels ONLY.

Ensure the Manual you are using corresponds to, or is a later release than the one shown on the "**RELEASE ISSUES**" label inside the package (see below).



DO NOT attempt to assemble or install the Control Panel until you have the respective Release.

The **Manual Release Number** can be found at the bottom of the last page, between the Code and Date (see below).



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#### 🗿 BENTEL

## SECTION 1 - IDENTIFICATION OF PARTS

The numbers in boldface (in square brackets) refer to the hardware parts described in this Manual, and other Manuals relevant to this product.

## The ALISON-S and ALISON-DVP LCD Keypads





## The ALISON/32LP and ALISON/8L LED Keypads



The MIA/S and MIA/D LCD Keypads















	Table 1.1 - Identification of the Keypad Parts
Part	Description
45	LED indicators (refer to the User Manual for details)
46	Display
47	Frontplate screws
48	Down flip
49	BPI Level Jumper: $\implies$ ⇒ 5 V (at default); $\bigcirc$ ⇒ 12 V
50	Snatch switch connector
51	DIP Switch strip
52	Tamper switch (protects against forced opening)
53	Terminal board
54	BPI Level Jumper: <sup>12</sup> V <sup></sup> → 5 V (at default); <sup>12</sup> V → 12 V
55	Microprocessor
56	Snatch switch. Accessory item for MIA/S, MIA/D y ALISON (Order Code: ASNC) Accessory item for PROXI-READER (Order Code: MINI-ASNC)
57	Cable entry
58	PCB dip
59a	Anchor screw holes for mounting on Mod. '503' outlet box or similar
59b	Anchor screw holes for mounting on '10x10' outlet box or similar
59c	Anchor screw holes for mounting on 'Single Gang' outlet box or similar
60	Buzzer
60a	Microphone (ALISON-DVP only)
60b	Loudspeaker (ALISON-DVP only )
61	Snatch bracket
62	PCB spacers
63	PCB supports
64	Catch
65	Buzzer connector
65a	Loudspeaker connector (ALISON-DVP only)

## 66 67 68 70 49 60 59a 55 -51 69 54 52 -50 59a 56 76-57 61 47 - 64 Proxi Card -71 💋 BENIEL 68 75 66 51 72 73 74 53 49 Figure 1.5 - The PROXI Reader, PROXI-CARD, ECLIPSE Reader and SAT Key

## ECLIPSE Reader, PROXI Reader, SAT Key, PROXI-CARD

Table 1.2 - Identification of Parts:           ECLIPSE Reader, PROXI Reader, SAT Key and PROXI-CARD					
Part	Description				
66	Red LED - All-Reader-Partitions Arming Mode				
67	Amber LED - A Arming Mode				
68	Green LED - <b>B</b> Arming Mode				
69	Sensitive field				
70	Wires to be connected to the Control panel BPI Bus: <b>Red</b> ⇒ to terminal '+' (Positive) <b>White</b> ⇒ to terminal 'C' <b>Blue</b> ⇒ to terminal 'R' <b>Black</b> ⇒ to terminal '-' (Negative)				
71	PROXI-CARD				
72	SAT Key				
73	Control switch				
74	Key slot				
75	ECLIPSE Reader MAGIC version (refer to Table 1.3)				
76	PROXI frontplate				

Table 1.3 - ECLIPSE Reader models								
	TICINO Magic	GEWISS						
	TICINO Living	GEWISS Playbus						
	TICINO International	GEWISS Noir						
	TICINO Ready Magic	VIMAR Light						
	AVE	VIMAR Idea						
	AVE Noir							





	Table 1.4 - Identification of Input and Output expander Parts							
Part	Description							
77	Buzzer mode jumper: 1							
78	Tamper and Snatch bypass jumper: ⓒ   ⇔ Microswitches bypassed (at default);   ⇔   ⇔ Microswitches unbypassed							
79	Frontplate screws (4)							
80	Expander housing							
81	Expander screws (2)							
82	Plastic tooth (closes Tamper Microswitch)							
83	Anchor screw holes (2) for flush mounting on Mod. 503 outlet boxes or similar							
84	Anchor screw holes (2) for surface mounting							
85	Cable entry							



VRX32-433 and Vector/RX8 Receiver

Table 1.5 - Identification of VRX32-433 Vector/RX8 Parts						
Part	Description					
86	Catch slots (2)					
87	Antennas (2)					

## SECTION 2 - INSTALLATION

## Mounting the Peripherals

## The Main Unit

Refer to the Main Unit Manual for the respective installation instructions.

## **Mounting Keypads**

**WMM** Use of ICON/KP Keypads down-grades the IMQ-SECURITY SYSTEM Certification from Performance Level II to performance Level I.

Work carefully through the following steps:

- 1. Remove the screws [47] and the frontplate.
- 2. Lift the clip [58] and remove the PCB.
- 3. Pull the wires through the cable entry [57].
- Drill the holes [59a], [59b] or [59c] for the backplate and snatch bracket [61] (if necessary).
- If necessary, install the Snatch Microswitch [56]. Ensure that the Snatch Microswitch lever is held firmly in position (pressed down) by the plastic tooth on the Snatch bracket [61]. Using a screw, secure the Snatch bracket to the wall.

# NOTE - OMNIA/TAST-R and NC2/TAST Keypads are fitted with Snatch Microswitches, which are enabled by securing the Snatch bracket [61] to the wall by means of an anchor screw.

In order to comply with the standards outlined in Performance Level 11 of the IMQ-SECURITY SYSTEM certification, keypads must be fitted with Snatch Microswitches.

- 6. Replace the PCB and, if required, the Tamper Microswitch (for MIA or ALISON Keypads), then connect to connector [50].
- 7. Complete the connections between the terminal board [53] and Control panel BPI Bus.
- 8. Using the DIP switch strip [51], assign the Keypad Address (refer to *'Addressing Devices'*, further on in this section).
- 9. Reattach the frontplate.

### **Mounting PROXI Proximity Readers**

Work carefully through the following steps:

- 1. Remove the screws [47] and the frontplate.
- 2. Pull the wires through the cable entry [57].
- 3. Drill the holes [59a] for the backplate.
- **4**. If necessary, install the Snatch Microswitch [**56**]. Ensure that the Snatch Microswitch lever is held firmly in position (pressed down) by the plastic

tooth on the Snatch bracket [61]. Using a screw, secure the Snatch bracket to the wall.

**Mathebasis** In order to comply with the standards outlined in Performance Level 11 of the IMQ-SECURITY SYSTEM certification, Readers must be fitted with Snatch Microswitches.

- 5. Using the cable [70], complete the connections to the Control panel BPI Bus.
- 6. Assign the Addresses to all the peripheral devices (refer to 'Addressing Devices', further on in this section).
- 7. Reattach the frontplate.

PROXI Readers must be located at least 50 cm apart.

## Mounting ECLIPSE Readers

ECLIPSE Key Readers can be flush mounted on standard electricity outlet boxes (refer to Table 1.3).

Before mounting the Reader, complete the connections between the ECLIPSE terminal board [53] and Control panel BPI Bus.

**EXAMPLE IN OUTPOINT OF SECURITY SYSTEM CERTIFICATION, Readers must be fitted with Snatch Microswitches.** 

ECLIPSE Readers must be located at least 50 cm apart.

Using the Address Microswitches [51], assign the Reader Address (refer to 'Addressing Devices', further on in this section). For security reasons, outdoor flush-mounted Key Readers must be fitted with tamper protection (see Figure above).



## Input and Output Expanders

The Input and Output Expanders must be located as near as possible to the peripherals they are connected to. The Input and Output Expanders boxes can be surface or flush mounted.

To install the Expanders:

- 1. Remove the Wire entry knockout ([57] or [85], as required.
- For Surface Mounting: drill the holes for the back box and Snatch bracket (screw locations [84] and [61] respectively).

• For Surface Mounting on Mod.503 boxes or similar: drill the holes for the back box and Snatch bracket (screw locations [83] and [61] respectively).

- For Flush Mounting: No drilling is necessary.
- 3. Pull the wires through the wire entry.

- 4. Attach the back box and Snatch bracket.
- Replace the Expander Module [80] (see Figure 1.6), ensure that it is held firmly in place by the PCB clips [58] then, using the two screws [81], secure it to the backplate.
- 6. Complete the connections on the terminal board [53].
- 7. Using the Microswitch [51], assign the Expander address (refer to 'Addressing Devices', further on in this section).
- 8. If necessary, remove the Jumper [78] in order to enable Tamper and Snatch Microswitches.
- 9. Using the Jumper [77], set the Buzzer Mode.
- 10. Using the 4 screws [79], secure the frontplate to the back box.

## **Addressing Devices**

You must assign Addresses to all the BPI peripherals (Key Readers, Proximity Readers and Keypads). For devices with 4 DIP switches, refer to Table 2.1, for devices with 5 DIP switches, refer to Table 2.2.

You can assign the Addresses in any order, however, devices of the same type must have different Addresses. Devices of different types (e.g. a Keypad and a Key/Card reader) may have the same Address.

**NOTE** - If you are Addressing an **ALISON** keypad, without a DIP switch strip, you must assign the Address in accordance with the respective instructions in this section. You can exit the programming phase and restore normal operating mode at any point in the procedure by connecting the jumper [54].

Table 2.1 - Assigning Addresses via 4 DIP switches																
DIP Switch No.	Address															
DIP SWITCH NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
2	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON
3	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON
4	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
	Tabl	e 2.2	2 - As	sign	ing /	Addr	esse	s via	5 D.	IP sv	vitch	es				
	Address															
DIP switch No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1*	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
3	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON
4	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON
5	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON
DIP switch No. 1 must always be in the OFF position																

## ALISON/8L Keypad

- 1. Remove the frontplate to generate 'Tamper' status.
- 2. Connect the Keypad to the Control panel BPI BUS (terminals +, C, R, -).
- 3. Remove the jumper [54]:
  - after several seconds the Keypad will emit an audible signal and the 4 LEDs on the left ("A" in Figure 2.1) will turn ON;
  - the four pairs (up/down) of LEDs ("B" in Figure 2.1) will simulate 4 DIP microswitches;
  - one of the first pair of LEDs ("B" in Figure 2.1) will blink to signal access to the **Keypad Addressing** phase.
- 4. Assign an Address to the Keypad ("B" in Figure 2.1 shows Address 4).
  - Use ④ or <sup>●</sup> to select the LED/DIP switch position.

■ Use use respectively, to turn the RED LED ON or OFF as required, in accordance with the following logic:

#### **Upper RED LED ON** = DIP switch **ON Lower RED LED ON** = DIP switch **OFF**

■ If you wish to delete the setting and assign a different Address, press (ESC) (the Alison/8L will step back after several seconds).

- 5. Press → to confirm the selected Address. The Keypad will emit an audible signal and will go back to step 4., this will not affect the setting, but is simply due to the circular organization of the programming process.
- 6. Re-insert the Jumper [54], in accordance with the BPI Level (refer to "Setting up the BPI Level"), then replace the frontplate.

## ALISON/32L Keypad

NOTE - This keypad cannot be connected to the KYO16D Control Panels.



1. Remove the frontplate to generate a 'Tamper' status.

- 2. Connect the Keypad to the Control panel BPI BUS (terminals +, C, R, -).
- 3. Remove the jumper [54]:
  - after several seconds the keypad will emit a beep, and the 4 LEDs on the left ("A" in Figure 2.1) will turn ON;
  - the four pairs (up/down) of LEDs ("B" in Figure 2.1) will simulate 4 DIP microswitches;
  - one of the first pair of LEDs will blink to indicate access to the Addressing phase.
- 4. Assign an Address to the Keypad ("B" in Figure 2.1 shows Address 4).
  - Use ④ or <sup>④</sup> to select the LED/DIP switch position.

**Use** O or O respectively, to turn the LED ON or OFF, in accordance with the following logic:

#### **Upper RED LED ON** = DIP switch **ON Lower RED LED ON** = DIP switch **OFF**

- If you wish to delete the setting and restart, press (ESC).
- 5. Press 🕶 to confirm the selected Address:

• after several seconds the Keypad will emit an audible signal, and the 4 LEDs on the right (see "C" in Figure 2.1) will turn ON to indicate access to the **Proximity Reader** Addressing phase (see "D" in Fig. 2.1 for the respective LEDs).

■ If you DO NOT wish to use the **Proximity Reader**, press <sup>(OFF)</sup>. The ALISON/32L will step back to the **Keypad** Addressing phase, at which point go to step 8. in this section.

■ If you wish to use the **Proximity Reader**, go to step 6.

- 6. Following the instructions in step 4., assign an Address to the Reader.
  - If you wish to delete the setting and restart, press (ESC).

**NOTE:** After deleting the setting, the ALISON/32L will step back to the **Keypad** Addressing phase.

- Once you have assigned the Keypad and Reader Addresses, press 

   to confirm. The Keypad will emit an audible signal and will go back to step 4., this will not affect the setting, but is simply due to the circular organization of the programming process.
- 8. Re-insert the Jumper [54], in accordance with the selected BPI Level (refer to "Setting up the BPI Level"), then replace the frontplate.

## ALISON/S and ALISON/DVP Keypads

- 1. Generate Tamper status by removing the case.
- 2. Connect the Keypad to the Control panel BPI BUS.
- 3. Remove the Jumper 54 after several seconds the Keypad will emit an audible signal (long beep) to indicate access to the programming phase.
- 4. Alison/S Go to step 5

*Alison/DVP* - Using keys or , select "ALISON/DVP", then press to confirm. Note - On first power-up the display will show: "ALISON. DUP".

5. The display will show "ALISON/DVP:01" or "ALISON/S:01".

Using 🏵 or 🕭, select the Address (1 to 8) for the Keypad.

6. Alison/S - Press ( ) to confirm and continue or press ( ) to delete the setting — in both cases the Keypad will emit an audible signal. Re-insert the jumper 54 and replace the case, the Keypad will exit the programming session automatically.

*Alison/DVP* - Press  $\leftarrow$  to confirm and continue or press  $\bigcirc$  to delete the setting — in both cases the Keypad will emit an audible signal.

7. Using (\*) or (\*), select an address for the Proximity Reader, the display will show the current Address of the Proximity Reader: "PROXI: 01" (preset at factory).

*If you DO NOT INTEND using the Proximity Reader* — press **•**, the display will show the **'PROXI: OFF** " message. *If you INTEND using the Proximity Reader* — press **•**, the display will show the **'PROXI: 01**" message.

Press to confirm, or press to delete the setting — in both cases the Keypad will emit an audible signal and the display will show the "CALL SERVICE" message. Re-insert the jumper 54 and replace the case, the Keypad will exit the programming session automatically.

NOTE - KYO16D Control Panels has no vocal functions.

## Setting up the BPI Level

	The BPI Level of the system peripherals (Keypads Readers, etc.) must match the BPI Level of the Control panel (set by means of the Jumper [49]).					
5 volt BPI Level	To program the BPI Level at 5 Volt, insert Jumper [54] in the ' <i>BPI LEV 5V</i> ' position, and insert Jumper [49].					
12 volt BPI Level	To program the BPI Level at 12 Volt, insert Jumper [54] in the ' <i>BPI LEV 12V</i> ' position, and remove Jumper [49].					
	NOTE: NC2/TAST, ICON/KP LED Keypads and ECLIPSE Readers with 4 DIP switches operate at +5V. Therefore, if one of these devices is included in the system, the BPI Level of the Control panel and BPI peripherals must be set at +5V.					
	<u>KYO16D</u> - Kyo16D Control Panel work only with 12V level BPI: all BPI devices connected to the Kyo16D must have 12V BPI level. If you want connect an OMNIA/TAST-R keypad, make sure the [49] and [54] jumpers are present (refer to chapter 1).					

## Installing the VRX32-433 and Vector/RX8 Receiver

Control panels from the **8W**, **8GW**, **16D**, **32** and **32G** series support VRX32-433 and Vector/RX8 Wireless Receivers for Wireless device management. This section describes the features and installation procedure of these devices.

The VRX32-433 Receiver manages up to 32 Wireless detectors (PIR Detectors, Smoke Detectors and/or Magnetic contacts), and up to 16 Wireless Keys. The Vector/RX8 manages up to 8 Wireless Zones and 16 Wireless Keys.

**W** Systems which are set up to manage more than 14 Wireless Keys, DO NOT COMPLY with IMQ-SECURITY SYSTEM Performance level II certification.

Before mounting the Receiver:

- Choose a safe dry place.
- Select a location that will provide the best possible reception.
- Locate the Receiver as high up as possible.
- Do not locate the Receiver near sources of EMI (television sets, electric motors, domestic appliances, etc.)
- Do not limit the range with large objects or furniture.

Installing the Radio Receiver (refer also to Figure 1.7)

1. For VRX32-433 - Loosen the screw [47] (it is not necessary to remove them).

For Vector/RX8 - Remove the screw [47].

- 2. For Vector/RX8 only: using a screwdriver, press down on the tab [64] in order to free the backplate from the frontplate.
- 3. Remove the frontplate then pull it away from the backplate.
- 4. Pull the connection wires through the wire entry [57], place the backplate in the proposed placement, mark the anchor screw locations [59a].
- 5. Remove the backplate from its placement, then drill the screw holes (check for plumbing and cable conduits before drilling).
- 6. Replace the backplate in the proposed placement, pull the wires through the wire entry [57], then secure the backplate to the wall.
- 7. Complete the connections on the terminal board [53].
- 8. Replace and secure the frontplate with the screws [47].

### **Changing the batteries of Wireless Devices**

If you intend changing the batteries of the Wireless Devices, you must first put the Control panel in Service Mode by typing in the **Installer Code** + **ENTER**, or by using a Service Key at an Enabled Reader.

However, if your system includes any LCD Keypads, you must also access the Installer Menu and select "*Actions ⇒ Zone Status*" (refer to "Programming" in the "PROGRAMMING FROM KEYPAD" manual).

## **Connecting Peripherals**

This section describes the wiring of the peripheral devices.

Shielded conductor cable must be used for all connections. One end of the shield must be connected to the Control panel, as shown in the wiring diagrams. Each wiring diagrams refers to a specific device type (Keypad, Key/Card Reader, Sensor or Signalling device) and shows the respective terminals.

## Connecting Keypads, Readers and Expanders

The Keypads, Readers and Expanders (Input and Output) must be connected in parallel to the Control panel **BPI Bus** (terminals 1[+], 2[C], 3[**R**] and 4[–]). The BPI bus supports up to **24 BPI devices (12 for KYO16D Control Panel)** in all, but not more than **8 Keypads (4 for KYO16D Control Panel)**.

IMPORTANT - KYO16D Control Panel manages all LCD keypads and only Alison/8L LED keypad.

**NOTE:** For Kyo4-8-32, this Control panel does not manage Lines L1 and L2 on **MIA/S** and **MIA/D** Keypads, and Line L1 on **OMNIA/TAST-R** and **ALISON** Keypads. KYO16D Control Panel does manage only L1 Line of LCD keypads, but to use a **10Kohm** resistor for balanced line.

11.5V or over must be present across terminals [+] and [-], in order to allow the BPI peripherals to operate properly. Owing to Voltage drops and stray capacitance induced by the Control panel BPI bus connections, the following wiring limitations must be respected:

the maximum wire length between the Main Unit the BPI peripheral must not exceed 500 metres;





Figure 2.3 - Connecting ECLIPSE/PROXI Readers and Expanders (IN/OUT)

Table 2.3 - Expander Terminals						
Ter.	Description					
+F	Positive power supply to detectors or OC Peripheral					
L1L6	Programmable Input Lines (M-IN/6 Expanders)					
OC1OC6	Programmable Open-Collector Outputs (M-OUT/6 Expanders)					
<i></i>	Negative power supply to detectors or OC Peripheral					

Wiring limitations • the overall wire length for the BPI must not exceed 1000 metres.

See to Figures 2.2 and 2.3 for the Keypad, Reader and Expander wiring diagrams.

The IMQ-SECURITY SYSTEM approval applies only when the Expander OC outputs are interfaced with relays, installed inside the Expander box.

## Alarm Detectors

The Control panel provides 8 independent zone terminals (4 on KYO4, 6 for Kyo16D): [L1], [L2], [L3], [L4], [L5], [L6], [L7], [L8] which accept Normally Closed and Normally Open detectors. The 10 K $\Omega$  resistors (1.2 K $\Omega$  for Kyo16D Control Panels) will allow you to set up the zones as Balanced or Double Balanced. Resistors are not required when the lines are programmed as N.C. or N.O.

Negative terminal [+B] (or [+F] on Series G models) can be used to power the detectors. Several detectors can be connected to each zone, however, one detector per zone is recommended. Figures 2.4, 2.5 and 2.6 show several wiring solutions.

- Special features Some detectors provide special features, such as the Memory function and Walk-Test mode.
- **Memory function** The Memory function is useful when several detectors are connected to the same Alarm line (see Figure 2.7) as, in the event of an Alarm, it will allow you to trace the violated zone.
  - **Walk-Test mode** The Walk-Test mode will enable the LED for test purposes. The Walk-Test mode should not be enabled during standby status as, in the event of violation, the LED will turn ON thus warning intruders of their detection.

Both functions can be enabled by a Positive or Negative signal, depending on the detector. The Wiring diagram in Figure 2.7 shows three Bentel LB612 detectors with Memory function (terminal [**AB**]) which will be activated by a Positive signal. In a connection of this type, one of the three OC outputs (see terminal [**O1**]) must be programmed to disable the Walk Test mode during standby status.









## **Connecting Fire Detectors (with Repeat Outputs)**

This Control panel also accepts Fire detectors. The Alarm repeat outputs of the Fire detectors must be connected to **Fire** zones (Normally Open -24 hour zone).

The wiring diagram in Figure 2.8 shows three Rate-of-Rise/Smoke detectors (e.g. Bentel's RT-101, RT-102 and RF501t) connected to Alarm line [L1]. In a connection of this type, the Negative signal (Reset) is supplied by the Normally Closed OC output (see [O1]).

Connecting The wiring diagram in Figure 2.9 shows a similar connection using a Relay Base. Relay bases In a connection of this type, the Control panel OC output (see [**O2**]) must be programmed as Normally Closed, and the Alarm Line ([**L2**]) as Balanced 10K ('Balanced 1k2' for Kyo16D Control Panels).



Figure 2.8 - Connecting detectors with Repeat Outputs



## **Alarm Siren**

All types of signalling devices can be connected to the free-voltage relay (terminals [NC], [NO] and [COM]). The wiring diagram in Figure 2.10 illustrates the wiring of a Self-powered Siren (e.g. ECHO99) and an Indoor Siren (e.g. Wave). In a connection of this type, the Self-powered Siren which will activate when the Positive signal drops on terminal [+N].



## **Connecting Roller-Blind and Vibration Detectors**

Zones 1 through 6 of the KYO8 and KYO32 Models, and all zones of the KYO4 (zones 1 through 2 for Kyo16D) support Roller-blind and Vibration detectors. The zones must be programmed respectively with either the **Vibration** or **Roller-blind** attribute (refer to the '*PROGRAMMING FROM PC*' section in this Manual), and can be set up as Normally Closed (**N.C.**) or Balanced 1.5 K $\Omega$  (**BAL**). The wiring diagram in Figure 2.11 shows a typical connection. The 1.5. K $\Omega$  (600ohm for Kyo16D) Balance Resistor must be connected to the last device, as shown in Figure 2.11.

#### The 1.5 K $\Omega$ Balance Resistors are not supplied.

If the system has an LCD Keypad, it will be possible to Test the sensitivity of the '**Vibration**' zones. The system must be put in SERVICE MODE, by leaving a Digital Key in a Reader, or by inserting the INHIBIT ALARMS Jumper [8] (the zones must be tested SEPARATELY). The display will show the Test message and the 'Shock' value (0 through 20).

**IMPORTANT -** For the most reliable results, the 'Vibration' attribute must be disabled on all zones except the one being tested.

Test Vibrat 018 DDIIZZZZ



#### **Connecting the Tamper Line**

▲ - The Tamper Line terminals [AS] are not present on KYO16D Control Panel.

To make a 24 H Tamper Line on KYO16D Control Panel:

- 1. Une an alarm zone
- 2. Program this zone as "24 H"
- 3. Program this zone as "Balanced 10 K"
- 4. Assign this zone to one or more partitions

The Control panel (except KYO16D) has a 24h 10K Balanced Tamper line (Terminals 5 [AS] and 6 [ $\rightarrow$ ]). The Tamper terminals of the system peripherals must be connected in series to these terminals. The wiring diagram in Figure 2.12 illustrates a typical connection.

10 K $\Omega$  Balance resistor must be connected to the last device, as shown in Figure 2.12.



## Auxiliary Device (Open Collector)

KYO4, KYO8, KYO8W and KYO32 have 3 programmable Open-Collector outputs (terminals 23 [O1], 24 [O2] and 25 [O3]). KYO8G, KYO8GW and KYO32G have 5 programmable Open-Collector outputs (terminals 38[O1], 39[O2], 40[O3], 41[O4] and 42[O5]). Kyo16D have 2 programmable Open-Collector outputs (terminals 22 [OC1] and 23 [OC2]). These terminals can be set up as Normally Open (NO) or Normally Closed (NC), and can be activated by one or more events (to be selected during the programming phase—refer to the 'PROGRAMMING FROM PC' section for the list of events).

The wiring diagram in Figure 2.13 illustrates the operating principles of a NO Open-Collector output (terminal [**O1**] on the Control panel) which will be activated by the 'Exit Delay' event.

The IMQ-SECURITY SYSTEM approval applies only when the Expander OC Outputs are interfaced with relays, installed inside the Expander box.





## **Connecting the Telephone Line**

If Telephone Dialler facility is used, the Telephone line must be connected to terminals [LE]. In this way, the Control panel will be the first device on the telephone line. If the Control panel is sharing the line with another device, the latter must be connected to terminals [LI] (see Figure 2.14), thus allowing the Control panel to take priority in the event of an Alarm.

 $\blacktriangle$  - Terminal [+] must be connected to the Mains Earth in order to protect the PCB against line surges.

▲ - Ensure that the Mains Earth line is intact and operating properly before connecting the telephone line.

If the Control panel is not connected to the telephone line, the **Disable Tel-ephone line check** option must be activated, otherwise, the Telephone Line Trouble event will be signalled continuously (refer to the 'Options Page' in the 'PROGRAMMING FROM PC' section).

## VRX32-433 and Vector/RX8 Receiver

Control panels with K8W, K8GW, K16D, K32 and K32G boards support VRX32-433 and Vector/RX8 Wireless Receivers (accessory items). Connect the Control panel terminals — [GRN], [YEL], [BLK] and [RED] to the respective terminals on the Receiver, as shown in Fig. 2.15.

Use Shielded cable only. One end of the shield must be connected to the [BLK] terminal on the Control panel. Do not exceed 50 meters of cable length.



## 'Double' line type (only for KYO16D)

The KYO16D has 6 zones connections. Each connection can be programmed "DOUBLE" or "DOUBLE with EOL" to reach a maximum of 12 zones.

A "Double" or "Double with EOL" connection can detect 2 alarm and a single tamper.

Fig. 2.16a shown the "Double with EOL" connection and Fig. 2.16b shown the "Double" connection



## SECTION 3 - PROGRAMMING FROM PC

## **Introduction**

This system can be programmed via keypad or via the '**KyoUnit**' software application from the **Bentel Security Suite**. In the latter case, the computer must be linked to the Control panel by a serial cable (e.g. Bentel's CVSER/9F9F).

This section holds in-detail information on the system parameters, and should also be referred to when programming via keypad.

The programmed parameters can be saved on the computer hard disk, or on a floppy disk, and downloaded to the Control panel via modem or on-site.

The parameters are grouped together in pages. The pages in this section follow the page order in the **'KyoUnit'** application.

NOTE - The images of the software are indicative and they depend on the Control Panel version used.

## Main Window

The 'KyoUnit' application opens on the Main page (see Figure 3.1). The Treeview menu (see **Pages** section) will allow you to access all the Pages in the Application.

### Managing the Pages

Accessing the Pages Click once on the name of the required page — the page name will highlight and the page will open, ready for programming.

Saving the Parameters Use the Save command from the File menu.

<u>S</u>elect Ins Download Upload Print Using the right button on the mouse, click any part of the **Page** section to access the context menu. The context menu will allow you to Select, Upload, Download and Print the Pages, as follows.

Select - This command will select/deselect the pages. Only selected pages
 (✓) can be downloaded/uploaded/printed.

The Pages can also be selected/deselected via the "Ins" key on the Computer keypad.

- **Download** This command will download the selected pages (✓) to the Control panel.
- **Upload** This command will upload the selected pages (**v**) to the Computer.

The pages will be deselected automatically after Downloading/Uploading.

• **Print** - This command will print the selected (✓) pages.

You can close the **Pages** section temporarily by clicking  $\mathbf{X}$ , and open it again temporarily by clicking the Page bar. If you want to keep the **Pages** section open, click also the drawing pin **L**.

The Page name on the button will change in accordance with the open Page.

You can show/hide the '**Pages**' section via Settings  $\Rightarrow$  Layout  $\Rightarrow$  Pages.

#### **Managing Customers**

This section describes the Database (Customer Names and Codes).

Alphabetical or The Customer list can be organized in Alphabetical or Code order by clicking Code order either the **Name** or **Code** bar.



Using the right button on the mouse, click the name of any Customer to access the context menu. This menu will allow you to **Load** or **Delete** the Customers, as follows.

• **<u>Upload</u>** - This command will load the Customer Configuration page.

You can also upload the Customer's data by double clicking the Customer's name on the Customer list.

• **Delete** - This command will allow you to delete the selected Customer from the Customer list, and consequently from the Database (see Figure 3.2).

Title bar	The Vinit - George Barnard	
Menu bar	Elle Dogamming Setting: Qieck Moden Help	Close button
		İ.
Pages section	- in Logow	Data Section
Customers section	Contentem         X           Name         Code           Content Mark         000°           Davis Pherer         000°           Smith Joseph         000°	
	Verie Period Period	Toolbuttons
Figure 3.1 - Ky	O UNIT Main page	


You can close the **Customers** section by clicking  $\mathbb{Z}$ , and show/hide the **Customers** section via Settings  $\Rightarrow$  Layout  $\Rightarrow$  Pages, or by pressing F9 on the computer keypad.

### **Data Section**

The pages you select from the **Pages section** will be shown in this part of the Main window.

# Toolbar and toolbuttons

The Main window (see Figure 3.1) provides the following bars and tools.

- Title Bar this bar will show the selected Customer's name;
- Toolbuttons these buttons will download/upload the current Page;
- Menu Bar this bar is similar to the Menu bars of most Windows<sup>™</sup> programs, and will allow you to access basic functions, such as: New Customer, Serial Ports, etc. The Menu bar options are described in the 'Menu Bar' paragraph.
- The Close Application button.

You can also close the Application via File  $\Rightarrow$  Exit.

## Upload, Download and Help toolbuttons

There are 3 toolbuttons at the bottom of the Parameter Pages (5 at the bottom of the 'Logger Page' and 6 at the bottom of the 'Events Page'). The toolbuttons are not shown on the Main window.



**Upload** — this button will upload the parameters of the current Page (from Control Panel to Computer).



**Download** — this button will download the parameters of the current Page (from Computer to Control panel).



**Help** — this button will open the context window (Adobe<sup>®</sup> Acrobat<sup>®</sup> Reader<sup>M</sup> required).

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#### The Menu Bar

This chapter describes the Menu bar of the 'KyoUnit' application.

□ File ⇒ New Customer - This command will allow you to program New Customer systems. All settings will be at default and can be programmed as per requirements. The 'Panel' window will allow you to specify the Customer's Control

panel and Firmware Release. This information can be uploaded directly from the connected Control panel by clicking **Upload**. Click **OK** to exit.

Control Panel type

vare Release

×

If the 'Confirm' window opens, when New Customer is selected, it means that the Application has found unsaved data. If the data is not saved it will be cleared. Click Yes to save or 'No' to quit without saving.

□ File ⇒ Save Configuration - This command will open the 'Customer' page. If the Customer has already been enrolled, the respective details and Code will be shown. If the Customer is 'New', it will be necessary to enter the Customer details and assign a code. Codes can be assigned manually, or automatically by means of the "Search" button.

14 D-I Seath

Enrolled Customer When saving the parameters of an enrolled Customer, the Warning window will be shown. Click Yes to save new : data or No to quit. **Duplicate Code** 

If a code is duplicated (Customer already enrolled) the Application will show the Error window.

- $\square$  File  $\Rightarrow$  Print This command will print all the parameters of the selected pages ( $\checkmark$ ). Once the command has been executed, all the selected pages ( $\checkmark$ ) will be deselected automatically.
- $\Box$  File  $\Rightarrow$  Exit This command will close the Application.

 $\square$  **Programming**  $\Rightarrow$  **Upload** - This command will *transfer all the programmed* data from the Control panel to the Computer. Once the command has been executed, all the selected pages ( $\checkmark$ ) will be deselected automatically.

 $\square$  Programming  $\Rightarrow$  Download - This command will transfer all the programmed data from the Computer to the Control panel. Once the command has been executed, all the selected pages ( $\checkmark$ ) will be deselected automatically.



(Manual assignment)

Programming

Upload

Download



및 Upload









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- □ Settings ⇒ Layout This option will allow you to view/hide the Pages and Customers sections.
- □ Settings ⇒ Serial Ports This option will allow you to setup two Computer COM Ports, for the connections between the Control panel and Modem (via RS232 link). It will also allow you to program the maximum number of connection attempts (*5 at default*), and the maximum bytes in a single frame during remote transmission (64 at default). Poor quality transmission can be improved by reducing the number of transmission bytes.
- □ <u>Settings</u> → Language This option will allow you to select the Application language. Click the required language then the **OK** button.
- □ Settings ⇒ Print Setting This window will allow you to create the letterhead for the printout.

To attach a picture or Logo to the letterhead: click **Logo** and select the path of the Bitmap (.BMP extension).

**NOTE** - Once the picture or Logo has been attached to the letterhead, DO NOT delete or move it from the Hard-Disk.



✓ OK X Cancel

17 (0064-1

C.00H2

C LOW 2

CON

10204.2

10 X Canal 9 Hat

□ Settings ⇒ Panel - This command will allow you to specify the Customer's

Control panel and Firmware Release (refer to **File ⇒ New Customer**). If you make a **Download/Upload** request, and the data in the **'Panel'** window does not match the connected Control panel, the Application

connected Control panel, the Application will show the **'Confirm**' window. Click **Yes** to confirm the **Download/Upload** request, or **No** to quit. In both cases, the Application will be updated automatically with the new Control Panel Type and Firmware release.

□ Settings ⇒ LCD Strings -This command will allow you to select the Language for the LCD Keypads (refer to "Available language on the software"): after select-

CD Strings	
Available language on the panel	
Upload Download Istim	
Available language on the software	
Per 2 Download OK Pep	

ing the Language, click the **Download** button (bottom left) in order to update the Control panel. **KYO 32 Series** Control panels also provide the "Available *language on the panel*" option, which will allow you to **Upload** or **Download** one of the **4 resident languages** on the Control panel board. Click **OK** to exit.

□ Settings ⇒ Conversion table - This command will allow you to create a alternative character table to Windows<sup>™</sup> (e.g.Cyrillic), or to customize the current table.



<u>C</u>heck

System enquiry and control Key programming

□ Check ⇒ System enquiry and control - This command will open a window similar to the one shown in Figure 3.3. which will allow you to:

- View the status of the Partitions
- View the status of the Zones
- View the status of the OC Outputs, and the Alarm Outputs
- View Trouble and Tamper events
- Arm/Disarm Partitions
- Bypass/UnBypass Zones
- Turn ON/OFF OC Outputs
- Reset Alarm/Reset Alarm Memory
- Reset Alarm Memory

You can access all the **System Enquiry** options without entering a Code, however you must enter a **Main User Code** to access the **System Control** options (Arm/Disarm, Bypass/UnBypass Zones, Reset Alarm/Reset Alarm Memory and Reset Alarm Memory). If the entered **Main User Code** is not Enabled on the Partitions involved in the requested operation, the commands will have no effect.

Following is a description of the 'System Enquiry and Control' window:

**Zones** - This section provides the following information for each of the Control panel Zones:

No. - Identifier number Description - Zone Label Part. - Enabled Partitions Al. - GREEN ⇒ Zone in Standby; RED ⇒ Zone in Alarm; RED BLINKING ⇒ Alarm in Memory



**Tam.** - GREEN ⇔ Zone in Standby; AMBER ⇔ Tamper on Zone; AMBER BLINKING ⇔ Tamper in Memory **Byp.** - GREEN ⇔ Zone Unbypassed; AMBER ⇔ Zone Bypassed

**To Bypass/Unbypass a Zone -** Using the left button on the mouse, select the Zone then click the right button and select the required option from the Pop-up menu. This **command can be sent** ONLY **when the Zone is Enabled on a Disarmed Partition.** 

**Partitions** - This section provides the following information for each of the Control panel Partitions:

No. - Identifier Number

**Description** - Partition Label

Al. - GREEN  $\Rightarrow$  All the zones of the Partition are in Standby RED  $\Rightarrow$  At least one of the zones of the Partition is in Alarm Status - This column indicates the Arming mode of the Partition (refer to table 3.1).

**To Arm/Disarm a Partition:** using the left button on the mouse, select the Partition then click the right button and select the required option from the Pop-up menu.

**Tamper** - This section indicates current Tamper conditions:

GREEN⇔ No Tamper; RED ⇒ Tamper present

**Trouble** - This section indicates current Trouble conditions:

GREEN ⇒ No Trouble; RED ⇒ Trouble present

**Outputs** - This section indicates the current status of the OC Outputs:

GREEN ⇒ Output in Standby; RED ⇒ Output Active

To turn ON/OFF an Output: using the left button on the mouse, select the Output then click the right button and select the required option from the Pop-up menu. This applies ONLY to Outputs which have been set up for "Remote Command" (refer to the 'Output Page').

**Tamper in memory** and **Siren** - This section indicates the current status of the 'Tamper Memory' and 'Siren':

Tamper in memory RED ⇒ Tamper events in Memory

**Siren** RED  $\Rightarrow$  The Alarm Output (or Output relay) is Active

**Reset Alarm Memory** or **Reset Alarms -** You can reset the Alarm memory or stop ongoing Alarms by means of the button. For further information, refer to the relevant paragraph in the USER MANUAL.

Press the **Close** button (**\_\_\_\_\_**)to exit the **System enquiry and control** session.



□ Check ⇒ Key programming - This option will allow you to program the system Keys/Proxi-Cards. Once the Key/Proxi-Card has been properly programmed and assigned to its respective Partitions, it must be enrolled on the system. To enrol the Key/Proxi-Card: insert the Key into the Reader slot or hold the Proxi-Card near the sensi-

F Service F Clear Call 0 F Patrol	lueue	F Part 1 F Part 2 F Part 3	F Pat.5 F Pat.6 F Pat.7
F Key and		F Part 4	F Pat 8
Readers	C Reader 5	C. Durder D	C. Desider 12
Beader 1     Beader 2		C Reader 9 C Reader 10	C Reader 13 C Reader 14
" Reader 3		C Reader 11	C Reader 15
Reader 4	C Reader 8	C Reader 12	C Reader 16

tive area of a Proxi-Reader. The 3 LEDs on the Reader will blink to confirm enrolment, and the computer will emit an audible confirmation signal (beep).



Colour	Description
WHITE	Device missing (not enrolled and not connected)
RED	Device enrolled but in Tamper status
BLUE	Device connected but not enrolled
YELLOW	Device enrolled but missing
GREEN	Device enrolled and present on the system

Modem	$\square$ Modem $\Rightarrow$ Connection - This option will allow you to connect, via Modem,
<u>C</u> onnection	to the remote Control panel.
<u>S</u> etting	$\square \underline{M}odem \Rightarrow \underline{S}etting - This option will allow you to setup the Modem.$
<u>H</u> ang up	<b><u>Modem</u></b> $\Rightarrow$ <u>H</u> ang up - This option will allow you to end telephone communications.

For further information on the Modem menu options, refer to "Programming from PC via Telephone".



Help ⇒ Guide - This option provides the System guide (Adobe<sup>®</sup> Acrobat<sup>®</sup> Reader<sup>™</sup> required).

## **Keypads Page**

At default or after a restoration Factory preset, in the Control Panel are automatically programmed one or more keyboards according to as specified in Tab. 6.1 of the Chapter 6 of MAIN UNIT MANUAL.

1	No.	Description
4	01	Keypod 01
	02	Keypad 02
	03	Keypad 03
	04	Keypad 04
	05	Keyped 05
	06	Keypad 06
	07	Keypad 07
	08	Keypad 08

### **Keypads Table**

This table will allow you to enable ( $\checkmark$ ) or disable (box empty) the system keypads.

No. - This column shows the keypad Address (non editable).

Description - This field is for the keypad label (maximum 16 characters).

The number next to the Page Name indicates the total number of enabled keypads.

### Enable Keypad

This section will allow you to enable ( $\checkmark$ ) or disable (box empty) the keypad on the partitions.

### Keypad Type

This section will allow you to specify the type of keypad (refer to Chapter 2). Select **LCD** for MIA, ALISON/S, ALISON/DVP and OMNIA/TAST-R keypads.

Pages	Keypad 01	
Kr022     Kr022     Kr022     Kr022     Kr02     Kr02     Kr02     Kr02     Kr0     Kr0     Kr0     Kr0     Kr0     Kr0     Kr0     Kr0     Kr     Kr	Tendle Keppad 0         Findle Keppad 0           02         Margad 02         Patition 02         P           03         Margad 02         Patition 02         P           04         Margad 03         Patition 02         P           05         Margad 04         Patition 03         P           05         Margad 05         Patition 06         P           06         Margad 06         Patition 06         P           07         Margad 07         Patition 06         P           08         Margad 07         Patition 08         P           09         Margad 09         P         Patition 08         P           00         Margad 09         P         Patition 08         P           00         Margad 09         P         Patition 08         P	

### **Readers Page**

The Card/Key Readers will allow you to perform all basic operations, such as:

- Global Arming
- Disarm Partitions
- A Mode Arming
- B Mode Arming
- Stop Alarm on Partitions

### **Readers Table**

1 Reader 01	•
47	0
U	
02 Reader 02	•

This window will allow you to enable ( $\checkmark$ ) or disable (box empty) the system Readers (see Figure).

No. - This column shows the Reader Address (non-editable).

Description - This field is for the Reader label (maximum 16 characters).

**1 2 3 4 5 6 7 8** - These columns correspond to the 8 partitions. The Readers can be programmed to operate in 3 different modes on the 4 partitions, as follows.



**RED** - This row will allow you to enable ( $\checkmark$ ) or disable (box empty) the Reader for GLOBAL Arming on the selected partitions (see Figure). All the enabled partitions will arm, when the PROXI CARD/Key is removed from the Reader when the RED LED is ON.



**AMBER** - This row will allow you to enable ( $\checkmark$ ) or disable (box empty) the Reader for **A Mode** Arming on the selected partitions. The partitions will Arm or Disarm, as programmed, when the PROXI CARD/Key is removed from the Reader when the AMBER LED is ON. Refer to table 3.1 for the **A Mode** programming instructions.

Readers (02)	1	
Pages		
Kno2     Kno2	✓ MCDecception         LED [1]         2         3         4         5         5         7         8         ▲           ✓ 01 Reader 01         ●         N         A         5         N         N         A         5         N         N         A         N         A         D         D         D         A         A         A         A         D         D         D         D         A         A         A         A         D         D         D         D         A         A         A         A         D         D         D         D         D         A         A         A         D         D         D         D         D         D	Mode A = Annay S = Stay I = Stay Odday D = Disam N = Null
Customers > Name Code George Barnard 0004 Poul Colline 0005 Peter Davids 0003	00 Reader 07	

	٦	Table 3.1 - A and B Mode Arming options
Letter	Action	Description
Α	Away	The respective Partition will arm in <b>Away</b> mode, in this way, violation of Zones with the <b>Internal</b> attribute will be signalled
S	Stay	The respective Partition will arm in <i>Stay</i> mode, in this way, violation generated by Zones with the <i>Internal</i> attribute will be ignored
I	Stay 0 Delay	The respective Partition will arm in <i>Stay</i> mode with <i>0 Entry and Exit Times</i>
D	Disarm	The respective Partition will disarm
N	No Change	The respective Partition will not change status



**GREEN-** This row will allow you to enable ( $\checkmark$ ) or disable (box empty) the Reader for **B Mode** Arming on the selected partitions. The partitions will Arm or Disarm, as programmed, when the PROXI CARD/Key is removed from the Reader when the GREEN LED is ON. Refer to table 3.1 for **B Mode** programming instructions.



The number in brackets at the side of the 'Page' type (**Readers**), indicates the total number of enabled Readers.

## **Receiver Page**

This page will allow you to select the type of Receiver you are using: **VRX32-433** or **Vector/RX8**.

Pages	×
\$ KY032	Receiver
Configuration     Keypad (01)     Reader:	@ Vector/RX
Expander In/Out	C Vector/fox8
-B Zones -2 Outputs	-

The receiver Vector/RX8 manages only 8 Wireless Zones. If this receiver is used on a Kyo16D Control Panel or on one of the Kyo32 Series Control Panels, only the zones from 9 through 16 can be programmed as "Wireless"

### Expander In/Out Page

KYO32 Control panels accept 4 M-IN/6 Input Expanders and 2 M-OUT/6 Output Expanders. This page (see Figure 3.6) will allow you to Enable/Disable the expanders on the system.

• • To enable the Input/Output Expander on the system.

If the Expanders are enabled, the number of Inputs and/or OC outputs in 'the Zones' and 'Outputs' pages will be updated automatically.

No. - This column shows the Expander Address (non-editable).

Description - This field is for the Expander label (maximum 16 characters).

All other Control panels of the KYO series are unable to accept Expanders, even though the option appears on the menu.



The number next to the Page Name shows the total number of enabled Expanders (Input and Output).

Expander In/Out (02)						
Pages	×					
Ø. KY032 은 별 Configuration		Description	~		Description	
E-19 Configuration	✓ 1	Expander In 01		1	Expander Out 01	
Keypads (01) Readers	✓ 2	Expander In 02		2	Expander Out 02	
Expander In/Out (02)	3	Expander In 03	_	-		
and Receiver	4	Expander In 04	_	_		
- E Zones						
-3 Outputs						
Partitions						
Phone						
Teleservice						
- Qui Looper						
Events						
Scheduler						
- Dptions						
- Code						
i⊟-∰i Key						
- Key/Card						
一避 Wireless Keys						
- @ Clock						
Customers	×					
Name Code						
George Barnard 0004						
Paul Colins 0005						
Peter Davids 0003						
	- <b>2</b> 8	e ( 920 (	?	-1		

## Zones Page

This section describes the **Zones** page (see Figure 3.7).

### Zones Table

**No.** - This column shows the *Zone identifier number* that will be used instead of the Zone label (Description) in some parts of the application.

**Position/Placement** - This column shows the non-editable label of the hardware component the zone is assigned to.

**Description** - This field is for the keypad label (maximum 16 characters). The Application will use the label as the zone identifier.

Ter. - This corresponds to the terminal identifier on the PCB.

**Serial No.** - This field is for the 6 digit Serial number (**ESN**) of the Wireless device (if used). The **ESN** is printed on the device label .

To program the zone parameters:

- 1. *select* the zone (click to highlight);
- 2. *program* the following parameters for the selected zone.

Zanes Pape	ind fait	Inches Mark	mm Descention	Hu Sent No.	Type	Analysins	Balance
Ø KYDYC	-	Main Unit	Jone 1	2.1	C Instant	FT	F Dudie talanced
E Tradigueton	2	Man Unit	2one 2	ů.	G Delayert	1 Untepassable	C Estance 10k
Keppada (01)	15	Magy Lind	Zore 3	U.	C. Hall	T Chine	(" Normale Doord
- Readers		Man Unit	Zone 4	14	C 245	T Test	C Normalis Open
Expander In/Out		Marr Link	Jone 5	15	C Duess	C Internal	Cyclus
1 North		Main Lind	Jone 8	LB	C file C Vitation	C Vibration	Gapetine (2)
Patitions	1	Man Lint	Zone 7	47			100 C
		Main Line	Jone 8	1.8	Cloning	F	Center
	1	None	Zone 9	LI .	C 4m	E WE	
E Televervice		None	Zine 10	12		F	
(IN Logger	H.	None	Zone 11	13			
AL Events	12	None	Jone 12	14	Carto Carta da Transverso		
<ul> <li>Bicheduler</li> <li>Options:</li> </ul>	13	None	Zone 13	1.5	Sens Vikulian		
Code	14	None	Zone 16	1.6	May Se	movity Min	Pula
= 12 tay	15	None	Zone 15	4.1	1 contractions	Contract of the second s	and the second se
Key/Cad	16	None	Jone 16	1.2	1 1	10 15 20	Doutie 7
Weekens Kays	17	None	Zone 17	13	Roles Bird Daubie Pulse		
Deck		None	Zone 18	1.4			
		None	Zone 18	1.5			2 Sei.
Cystomers	× 20		Jorie 20	LA	12245 2	fine 2mm displayment	1
Nate Date			Zone 21	34	Patitions	Contraction of the second	
George Barnard 0004		None	Jone 22	1.2	P Paties 01	1000	
Paul Collinia 0005 Perter Dawith 0000		None	Zone 23	13	Francis III		
Contract of Contra	24		Jone 34	14	F Fattor 03	E State	
	25		Zone 25	11	F Fatton Di	- <b>F</b> (*	
	28		Jone 26	3.8			
	27		Zone 27	- 61			
	20		Jone 38	u .			
			Zone 29	0			
	00		Jone 30	14 15			
	1.1	None	Jone 31 Jone 32	15			
	14	nore	7046.75	50			
	- I have	Stat Down					

#### Туре

This section describes how the various Zone types respond to violation during Standby status (Unbypassed). Bypassed zones will ignore violation and will not generate Alarms.

- (...) In this section, the text in brackets ( ... ) refers to the text which will actually appears on the LCD Keypad.
- Alarm Zones Instant (Instant) Violation of this type of zone will generate an Instant Alarm.
  - **Delayed (Delayed)** Violation of this type of zone will not generate an Alarm during the Exit Time. Violation during Armed status (after the Exit Time has elapsed) will generate an Alert signal (Entry-Time signal). If the system is not disarmed before the Entry-Time elapses, the zone will generate an Alarm.
  - **Path (Path)** If this type of zone is the first zone to be violated, it will generate an Instant Alarm. Path zones will not generate Alarms during Entry and Exit times.
  - **24 h (24 hours)** This type of zone will always be active, regardless of the Armed/Disarmed status of its Partition. Violation will generate an Instant Alarm.
  - **Duress (Duress)** This type of zone is automatically programmed as a Silent 24h zone. Duress zones activate the Communicator only, and are suitable for Panic buttons.
  - Fire (Fire) This type of zone is automatically programmed as a 24h N.O. (Normally Open) zone.
- **Command Zones** Switching (Switch.) This type of zone is automatically programmed as a 'Command Zone'. Violation of this type of zone will switch the status of all the Partitions it is assigned to (from Away to Stay Arming or vice-versa).
  - Arm (Arm Only) This type of zone is automatically programmed as a 'Command Zone'. Violation of this type of zone will Arm all the Partitions it is assigned to.

You cannot assign any attributes to 'Command Zones' (refer to the 'Attributes' section).

**W** The IMQ-SECURITY SYSTEM approval applies only when command zones are dedicated to command devices with the same Performance level as the Control panel which houses the decoding circuit.

#### Balancing

Double Balancing (DBAL) - In Standby status, the zone must be connected to Negative by two 10KΩ resistors (for Kyo16D the value of this resistors is 1.2Kohm). If one of the resistors disconnects, the Control panel will generate a Zone Alarm. In all other cases (Zone Open) the Control panel will generate a Tamper event. This Type of connection (by means of just 2)

wires) will signal open Alarm/Tamper contacts.

- Balance 10k (BAL) (Balance 1k2 for Kyo16D) In Standby status, the zone must be connected to Negative by a  $10K\Omega$  (or 1.2Kohm for Kyo16D). For 'Vibration' or Roller Blind' zones attribute, the resistor is  $1.5K\Omega$  (or 600 ohm for Kyo16D). If the resistor is short-circuited, the Control panel will generate a Tamper Alarm. If the resistor disconnects (Zone Open), the Control panel will generate an Alarm event.
- Normally Closed (NC) In Standby status, the Zone must be connected to Negative. The Control panel will generate an Alarm when the contact opens.

**M** If Zones are programmed as Normally Closed, the Performance level of the Control panel will down-grade from Level II to Level I — as the Zones concerned will not be protected against short-circuit.

• Normally Open (NO) - In Standby status, the zone must be Open. The Control panel will generate an Alarm when the Zone connects to Negative.

The IMQ-SECURITY SYSTEM Certification does not apply when Zones are programmed as Normally Open, as the zones concerned will not be protected against wire cutting.

- **Doubled** (Only for KYO16D) This balance type is used to double the zone. In this way every line (from L1 to L6) can manage two different devices (for example, 2 sensors or 1 sensor and 1 contact) and the Control Panel is able to recognize the one or the other in case of alarm.
- **Doubled EOL** (Only for KYO16D) As the precedent, but it needs a series End-Line (EOL) resistor of 1.2 Kohm to detect short circuits.

#### Attributes

- Unbypassable (Not Byp.) Zones with this attribute cannot be bypassed.
- Chime (Chime) Violation of a zone with this attribute, during **Disarmed** status of its Partition, will generate an audible signal on Keypads and PROXI readers with the 'Chime' attribute (refer to 'Chime on Keypad' and 'Chime on Proxi Reader' on the 'Options' page). Violation of a 'Chime' zone, during **Armed** status of its Partition, will not generate an audible signal.
- Test (Test) Zones with this attribute will be operative, however, violation will not activate the audible-visual signalling devices or the Communicator but will be recorded in the event buffer. Zones with this attribute will always operate as "Instant" Zones, even if they have been programmed as "Delayed" Zones.
- **Mute (Mute)** Violation of a zone with this attribute will activate the Communicator only. The audible-visual signalling devices and the keypads and PROXI Readers will remain silent.
- Internal (Internal) Zones with this attribute will be bypassed when their Partitions are armed in 'Stay' mode (S) or 'Stay 0 Delay' (I).

• Vibration (Vibrat.) - This attribute must be assigned to Zones used for Vibration detectors. There are two trimmers for sensitivity adjustment in the 'Sens. Vibration' section.

• Sensitivity: This trimmer sets the 'Single Shock' threshold. The selected value — minimum 20 (100 ms), maximum 1 (5 ms) — will determine the 'Shock' impact the zone will allow before signalling violation. Set 1 for maximum sensitivity.

• **Pulse**: This trimmer sets the 'Pulse' threshold. The selected value will determine the number of 'Shocks' the zone will allow before signalling violation. Therefore, if the trimmer is positioned on **Disable**, the corresponding zone will be completely insensitive to Pulses.

For example, a zone with the 'Sensitivity' threshold of 10 and 'Pulse' **thresh**old of 5 will generate an Alarm when:

a) it receives a single Pulse that exceeds the Sensitivity threshold of 10;

b) it receives 5 Pulses of low Sensitivity within 30 seconds.

**NOTE:** If you assign N.C. Balancing (Normally Closed) to a **Vibration** Zone, **Wire cutting** will not be signalled.

• Roller Blind (Roll.Bl.) - This attribute must be assigned to Zones used for Roller blind contacts. There are two trimmers for sensitivity adjustment in the 'Roller Blind' section.

• **Pulse**: This trimmer regulates the 'Pulse' threshold (1 through 5). The selected value will determine the number of 'Shocks' that the zone will allow before signalling violation. Therefore, if **Disable** is selected, the corresponding zone will be completely insensitive to Pulses.

• **Time** - This trimmer regulates the 'Time' window. The selected value will determine the 'Pulse' threshold time (i.e. the time allowed for the Pulse counter to reach the programmed threshold).

For example, a zone with a 'Pulse' threshold of 4 and a 'Time' window of 2 minutes, will signal violation when its contact generates 4 Pulses within 2 minutes.

If less pulses than the programmed 'Pulse' threshold are generated during the 'Time' window, the zone will not signal violation, but will refresh the window and carry forward the memorized number of pulses minus one (e.g. 3 pulses memorized = 2 pulses carried forward). The window will be refreshed until there are no pulses to carry forward, at which point, the 'Pulse' threshold and 'Time' window will reset.

If the trimmer is positioned on '**repetitive**', the number of pulses (if less pulses than the programmed 'Pulse' threshold) will be stored indefinitely.

In all cases, the 'Pulse' threshold will reset automatically each time the Control panel disarms.

**NOTE**: Tamper cannot be signalled if N.C. Balancing (Normally Closed) is assigned to the **Roller Blind** Zone.

The 'Vibration' and 'Roller Blind' attributes can be assigned to the first 6 Control panel zones only (all zones for Kyo4 and only on the first 2 zones for Kyo16D).

• Wireless (Wireless) - (Only for 8W, 8GW, 16D, 32 and 32G models). Only systems with a duly enabled VRX32-433 or Vector/RX8 Receivers (refer to 'Options' in this section) can manage zones with this attribute. The 6 digit Serial Numbers of devices connected to these zones must be specified in the respective column. If a zone is setup as a Wireless zone, the **Supervisory** attribute will be enabled automatically (refer to '*Supervisory*'), and it will be shown in red.

IMPORTANT - If the "Low Battery" fault warning persists after the batteries have been changed, deselect the "Wireless" attribute of the respective zone then re-select it immediately.

• Supervisory (Superv.) - If a zone is setup as a Wireless zone, this attribute will be enabled automatically, thus allowing the VRX32-433 or Vector/ RX8 Receiver to monitor the Wireless device that is connected to the zone (refer to 'Supervisory Time' on the 'Partitions' page). If the Wireless device fails to send a signal to the VRX32-433 or Vector/RX8 Receiver within the programmed Supervisory window, the Control panel will generate a 'Missing Device' event.

The Identifier number of the zone which generated the event will be recorded in the Event logger.

- **Double (Double P)** A Zone with this attribute will generate an Alarm if it is violated twice within the programmed time (accepted values: 0 through 250 seconds). Refer to the **'Double Pulse'**.
- **Or (Or)** Violation of a Zone with this attribute will generate an Alarm even when only ONE of its Partitions is Armed.
- And (And) Violation of a Zone with this attribute will generate an Alarm only when all the 'And' Zones of the Partition concerned are violated within the programmed Time (refer to 'T. And Zone' on the Partitions page).

#### Cycles

This parameter determines the number of times the zone will signal the 'Zone Alarm' event.

- **Repetitive (RP)** Zones with this attribute will generate the 'Zone Alarm' event for an unlimited number of times.
- **Cycles (Cycles)** The required number of Alarm cycles (0 through 14) can be programmed in this field. If zero (0) is programmed, the zone will be unable to generate Zone Alarm event.

**NOTE:** Zones that signal persistent Alarm status (e.g. due to Trouble) will generate One Alarm Cycle Only.

### **Double Pulse**

This section describes how to program the Double Pulse time (0 to 250 seconds).

### Partitions

This section will allow you to assign the Zones to the Partitions. The Zone will be able to generate Alarm events only when **all** its Partitions are armed.

## **Outputs Page**

This section describes the Outputs page (see Figure 3.8).

**W** The IMQ-SECURITY SYSTEM approval applies only if Outputs which activate Alarm devices such as Sirens, are not Bistable.

### **Outputs Table**

**No.** - This column shows the *OC Output identifier number* that will be used instead of the Output label (Description), in some parts of the application.

**Position/Placement** - This column shows the non-editable label of the hardware component the OC Output is assigned to.

Ter. - This corresponds to the terminal identifier on the PCB.

**Description** - This field is for the keypad label (maximum 16 characters). The Application will use the label as the OC Output identifier.

To program the zone parameters of an Output:

- 1. *select* the Output (click to highlight);
- 2. program the following parameters for the selected Output.

#### Attributes

This section will allow you to select the status of the Outputs during standby status: **NO** (Normally Open) or **NC** (Normally Closed).

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#### Monostable Times

This section describes how to set the **ON** and **OFF** Times of **Monostable** Outputs. Accepted values: 0 through 250 seconds.

To used this function, click on "Monostable" check-box.

• The **ON Time** determines the time an Output will remain active.

• The **OFF Time** determines the time an Output will remain in 'forced' standby status after expiry of its programmed **ON Time**.

An Output will hold 'forced' standby status (even after its programmed **OFF Time**) until the event which generated its activation clears.

#### Signals

**NOTE:** The 'Restoral' conditions described in this section refer to 'NON-Monostable' Outputs. Under normal circumstances, an Output will restore to standby when its programmed ON Time expires (refer to 'Monostable' and the respective Table)

NOTE: The text in brackets appears on the Installer Menu.

- Away Arm (Away Arm) The Output will activate when at least one of its Partitions arms in Away mode.
- **Partitions Disarmed (Disarmed)** The Output will activate when one of its Partitions disarms.
- **Trouble (Warning)** The Output will activate when a Trouble event occurs (refer to the '*Events Page*' section), with the exception of the 'Telephone Line Trouble'. The Output will restore automatically when the Trouble clears. This signal is for Non-Monostable Outputs only.
- Alarm Memory (AlarmMem) The Output will activate when Alarms are present in the memory. The Output will restore when the memory resets (via a 'Clear Alarm Memory' command).
- Exit Time (Exit T.) The Output will activate when the 'Exit Time' of its assigned Partitions is triggered, and will remain active until the 'Exit Time' expires.
- Entry Time (Entry T.) The Output will activate when 'Entry Time' of its assigned Partitions is triggered, and will remain active until the 'Entry Time' expires.
- Chime (Chime) The Output will activate when a 'Chime' zone is violated during disarmed status of one (or more) of its assigned Partitions. The Output will remain active for approximately 1 second. This signal is for Monostable Outputs only.
- Auto-Arm Timeout (Alert T.) The Output will activate at the programmed time, and will remain active during the countdown to automatic arming.

- Line Trouble (Line T.) The Output will activate for 15 minutes when telephone-line trouble is detected. If the trouble condition clears, the Output will restore automatically when the 15 minute interval expires, otherwise, it will remain active for a further 15 minutes.
- **Reset Fire (Fire res)** The Output will activate in **Monostable** mode each a '*Clear Alarm Memory*' operation is requested (PIN required) at a Keypad which is assigned to one of the Partitions associated with the Output. If the Output is programmed as N.C., it can be used as the Negative power supply to the Fire detectors. In fact, the Negative signal will fail for the programmed 'Monostable Time' (refer to Outputs Page) each time a '*Clear Alarm Memory*' operation is requested, thus allowing the Fire detectors to reset.
- Alarm (Al.r.bel) The Output will activate when one of its assigned Partitions signals Alarm, and will restore when the Alarm cycle ends.
- **Remote Command (Remote)** The Output will activate when the User executes a command over the phone (the Control panel Answering device must be enabled). This signal can be used to activate or stop the OC Output over the phone. The Output (activated over the phone), can also be restored from the Keypad (via a *'Clear Alarm Memory'* command). Refer to the User Manual for further details.
- **Negligence (Neglig.)** The Output will activate when the Control panel generates a Negligence event, and will restore when the Alarm memory resets (via a '*Clear Alarm Memory*' command).
- Monostable (Monosta.) The Output will remain active until the ON Time expires, after which it will be forced to standby for the programmed OFF Time. The following Table shows the restrictions associated with Outputs with this attribute.

Туре		Signal
ONLY Monostable	Chime Reset Fire Sqwark Mute Alarm Failed Call	Valid Key Valid code Superkey 2 Superkey 2 on wireless key
NON Monostable	Trouble Alarm Remote Command	Not Ready Stay Not Ready Away Restore if in standby
Monostable and NON Monostable	Partitions Armed Partitions Disarmed Alarm Memory Exit Time Entry Time Auto-Arm Timeout Negligence Not Ready Stay 0 Delay	Line down Inactivity False Key Zone Tamper System Tamper BPI Tamper Missing BPI

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If you associate any of the signals in the last section to a 'NON Monostable'

Output, the Output will restore when the cause of activation clears (automatically or manually).

For example, the "Entry Time" signal will activate the Output for the programmed Entry Time, then will restore automatically to standby.

However, if an Output is activated by a "... Tamper" signal, it will not restore to standby until the cause of its activation clears.

- Valid Code (Code) The Output will activate when the Control panel recognizes a Valid Code. This signal can be associated with 'Monostable' Outputs only.
- Audible Signal (Squawk) The Output will activate when the Control panel is Armed via a Command Zone or Remote Command. This signal can be associated with 'Monostable' Outputs only.
- Failed Call (Fail com) This event is generated by unsuccessful calls. To restore the Output:

a) view the Event logger on an LCD Keypad;

**b**) view the Trouble on an LED Keypad.

- **Inactivity (Inactiv.)** The Output will activate when the Control panel generates an '**Inactivity**' event. The Output will restore when the Alarm memory resets (via a '*Clear Alarm Memory*' command).
- Mute Alarm (Silent) The Output will activate when the Alarm is generated by a Zone that is assigned to a Partition with the following attributes:

a) Type 'Duress', b) Attribute 'Mute' or

c) If the Alarm is generated by a 'Duress' Code.

This signal can be associated with 'Monostable' Outputs only.

- No Ready Stay (N.R.Stay) The Output will activate when the Control panel is not ready to arm in 'Stay' mode (S) or, in accordance with Option 52 (refer to the Options Page), 'Stay 0 Delay' mode.
- Not Ready Away (N.R.Away) The Output will activate when the Control panel is not ready to arm in 'Away' mode.
- Stay Mode (Stay Arm) The Output will activate when at least one of its Partitions Arms in 'Stay' mode ('S' or '0').
- **Restore if on standby (Al.r.zon)** The Output will activate when Alarm conditions are detected on one of its Partitions. The Output will restore when the Alarm cycle ends, and the Alarm conditions have been cleared from all the Partition zones, or when the Partition disarms.
- False key (FalseKey) The Output will activate when an attempt is made to use a False Key. This is real-time event, therefore, the Output cannot restore until the False key has been removed.
- **Zone Tamper (ZoneTamp)** The Output will activate when Zone Tamper conditions are detected, and will remain active during the respective Alarm cycles.
- System Tamper (Sys Tamp) The Output will activate when violation is detected on the 24h Tamper line, or when the Control panel is forced open.

The Output will restore automatically when the Alarm cycle ends.

- **BPI Tamper (BPI Tamp)** The Output will activate when Keypad tamper is detected (when the keypad, PROXI or Expander frontplate is removed). The Output will restore automatically when the Alarm cycle ends.
- Valid Key (Key) The Output will activate when the Control panel recognizes a valid Key/Card, and will remain active until the ON Time expires. This signal can be associated with 'Monostable' Outputs only.
- **Missing BPI (Missing)** The Output will activate when an enrolled BPI device fails to respond to the Control panel.
- Superkey 2 (Key 2) The Output will activate when the 'Superkey 2' facility is requested via Keypad. This signal can be associated with 'Monostable' Outputs only.
- Superkey on wireless key (Key2 WLS) The Output will activate when the 'Superkey 2' facility is requested via Wireless Key. This signal can be associated with 'Monostable' Outputs only.

#### Partitions

This section will allow you to assign the Outputs to the Partitions. The Output will activate when the programmed signal is generated by one of its Partitions.

When the signal is generated by the Control panel (e.g. Trouble), the Output will activate directly, and its Partitions will not be influent. In all other cases, the Output will activate only when the signal is generated by one of its Partitions.

## Partitions Page

This section describes the Partitions page (see Figure 3.9).

### **Partitions Table**

**No.** - This column shows the *Partition ID number* that will be used instead of the Partition label (Description), in some parts of the application.

**Description** - This field is for the Partition label (maximum 16 characters). The Application will use the label as the Partition ID.

**Exit Time** - This parameter determines the Exit delay time (expressed in minutes). Violation of 'Delayed' Zones during the Exit time will not provoke Alarms. The Exit Time will start when the Partition arms, and will be signalled by:

■ Activation of the Partition OC Outputs (programmed with the 'Exit Time' signal);

■ A series of single beeps (emitted at one-second intervals) on all the Partition Keypads (Mute keypads will not emit this signal);

• A series of double beeps (emitted at one-second intervals) on all the Partition PROXI Readers, the 'Chime on PROXI Reader' option must be enabled otherwise, the PROXI Readers will not emit this signal (refer to 'Options Page').

**Entry Time** - This parameter determines the duration (expressed in minutes) of the Audible signal which will be generated when a 'Delayed' Zone of an



Armed Partition is violated. The Entry Time will be signalled by:

• Activation of the Partition OC Outputs (programmed with the 'Entry Time' signal);

• A series of fast beeps, emitted by the Partition Keypads (except Mute keypads), and Partition PROXI Readers (the 'Enable buzzer on PROXI Reader' option must be active, otherwise, the PROXI Readers will not emit this signal — refer to 'Options Page').

**Auto-arm Timeout** - This parameter (expressed in minutes) determines the time between the Auto-arm Timeout signal and the Partition Auto-arming event.

*Example: If the scheduler is programmed to Arm the Partition at 17:30, with a 15 minute Auto-arm Timeout, the 'Auto-arm Timeout' will be generated at 17:15. This signal can be used to activate one of the OC Outputs.* 

*The 'Auto-arm Timeout' signal will cease when the Partition Arms, or when an Overtime Request is made.* 

**T. And Zone** - This parameter determines the time within which 2 or more '**AND**' Zones must detect violation before the Control panel will generate an Alarm (accepted values: 0 through 945 seconds by automatic step 15).

**W** The IMQ-SECURITY SYSTEM approval applies only when the "T. And Zone" value is 30 seconds or more.

**T. And Code** - This parameter determines the time within which 2 or more **'AND'** Codes must be entered before the Control panel will Disarm (accepted values: 0 through 250 seconds).

#### Times

- **Patrol Time** This parameter determines the time between disarming for patrol purposes (Patrol code required) and automatic rearming. The programmed patrol time is valid for all Partitions (accepted values: 0 through 63 minutes).
- Alarm Time This parameter determines the duration of the Alarm cycle (accepted values: 0 through 63 minutes).

If the Alarm Time is set at 0 (zero), the Alarm Outputs (e.g. Siren) will not be activated, however, the event will be sent to the Logger.

• Supervisory window - This parameter determines the time within which a Wireless zone must send a supervisory signal (accepted values: 120 through 1440 minutes — in steps of 15 minutes). Use the computer mouse or the 1 and 1 keys on the PC keyboard to enter this value. This field will be inactive when the 'Enable Wireless Receiver' option is disabled (refer to 'Options' page).

The IMQ-SECURITY SYSTEM approval applies only when the Wireless Supervisory Time is set at 2 hours 30 minutes and the 'Supervi-

sory' option (refer to "Attributes" on the "Zones" page) is enabled for ALL Wireless Zones.

#### Inactivity

- **Inactivity** This parameter determines the maximum time (accepted values: 0 through 99 hours) that a Partition will be allowed to stay without signalling zone violation. The 'Inactivity Partition no.' event will be generated when the programmed interval elapses.
- Enable Inactivity 1, 2, 3, 4, 5, 6, 7, 8 This parameter determines the Partitions that will be monitored for inactivity.

### Negligence

- **Negligence** This parameter determines the maximum time (accepted values: 0 through 99 days) that a Partition will be allowed to stay without signalling an 'Arming' event. The 'Negligence Partition no.' event will be generated when the programmed interval elapses.
- Enable Negligence 1, 2, 3, 4, 5, 6, 7, 8 This parameter determines the Partitions that will be monitored for Negligence.

## Phone Page

This section describes the Phone page (see Figure 3.10).

### **Telephone Numbers**

**No.** - This column shows the *Telephone identifier number* that will be used instead of the Telephone label (Description), in some parts of the application. The *Telephone identifier number* will also be used when programming the system from a Keypad.

**Telephone Number** - This column is for the Telephone numbers that will be utilized by the Digital Communicator and Dialler, and for Teleservice calls. This field accepts a maximum of 20 characters (digits and pauses). Accepted values: 0 through 9, commas (,) for dialling pauses (e.g. between he prefix and telephone number), and star (\*) and pound (#).

Description - This field is for the User's Name (maximum 16 characters).

## Dialling

- **Disable tone check** Normally the Control panel will check for the Dialling Tone before dialling. If there is no dialling tone, the Control panel will hang up and retry. If the Disable Tone Check is enabled, the Control panel will dial without checking for the dialling tone. This option is useful when the Control panel is connected downstream to a switchboard with non-standard tones.
- **Pulse Dialling-** Normally the Control panel operates in touch-tone mode, as it is faster than Pulse dialling. If touch dialling is not supported by the telephone line, it will be necessary to enable Pulse dialling.



### Туре

This section will allow you to select the operating mode of the 8 telephone Numbers.

To program the Type:

- 1. select the Telephone Number;
- 2. program the following parameters for the selected Telephone Number.
- **Telemonitoring** This option will allow the Control panel to communicate with the Central Station. It will be necessary to program parameters in the **Telemonitoring** section.
- Voice Message This option will allow the Control panel to send a Voice Message (this option requires the NC2/VOX).
- **Teleservice** This option will allow the Control panel to manage Teleservice calls.
- None No service.

#### Partitions

This section will allow you to assign the selected Telephone Number to the Partitions. It is possible to change a Telephone Number by entering a Main User Code at a Keypad (the Code and Keypad must be assigned to the Partition of the Telephone number concerned).

The 'Teleservice' option will activate the Reporting Protocol list (below).

- Protocol The Reporting protocol is usually assigned by the Central Station. This system supports the following formats: ADEMCO / SILENT KNIGHT - Slow 10 baud - 3/1, 4/1, 4/2 ADEMCO / SILENT KNIGHT - Fast 14 baud - 3/1, 4/1, 4/2 FRANKLIN / SECOA / DCI-VERTEX - Fast 20 baud - 3/1, 4/1, 4/2 RADIONICS - 40 baud - 3/1, 4/1, 4/2 SCANTRONIC - 10 baud - 3/1, 4/1, 4/2 CONTACT ID CESA
- **Customer Code** This code is usually assigned by the Central Station, and allows their operator to identify the system (user, location, type of system, etc.).

**The Customer Codes must have 4 digits** (5 for CESA protocol): 0 through 9 and A to F (hexadecimal).

For Contact ID — '0' and 'A' have the same value.

For Pulse protocols — '0' corresponds to 10 pulses, whereas 'A' corresponds to '0' pulses (empty digit).

When using Pulse protocols with 3 digit codes, the fourth digit must be programmed as 'A'. • Listen-in - If this option is enabled, the Central Station operator (after receiving an Alarm call from the system) will be able to open a Listen-in session on the monitored premises.

If the '2-wayAudio alert' is enabled (refer to the 'Options' Page), the Control panel will open the Audio channel for 15 seconds before starting the Listenin session. The '2-wayAudio alert' is valid for all protocols.

- **2-Way Audio** This option will allow the operator to open a 2-Way Audio session and talk to persons on the monitored premises.
- **2-Way Audio Timeout** This parameter determines the duration of the Listen-in or 2-Way Audio session. The session will close automatically when the programmed Timeout ends, or when the operator ends the session. The programmed Timeout is valid for all 8 Telephone Numbers.

### **Call Attempts**

The value entered in this field determines the number of times the Control panel will dial a telephone number before quitting the unaswered call (8 at default).

### Accessing the DTMF Menu

If you enable **Listen-in** with **2-Way Audio Timeout**, the operator will be able to **access the DTMF menu over the phone**. To do so, the operator must press any number on the telephone keypad and wait for the audible feedback signal (5 beeps), then enter a Valid DTMF Code (for further details refer to "Operating the System from a Telephone" in the USER MANUAL).

Export to WinBcs

#### Export to WinBcs

Use this button to export data to the "Bentel Central Station" application.

# **Teleservice Page**

The parameters in this page (see Figure 3.11) determine the way the Control panel will respond to incoming Calls from the Central Station.

The Control panel will answer incoming Teleservice calls only when the User has enabled the Teleservice option or Answering device option (refer to 'Enable/ Disable Teleservice' in the User Manual).

- **Double Call** This option allows the Control panel to share the Telephone line with another answering device (Answerphone, Fax, etc.). If this option is enabled, the Control panel will override other telephone devices when it recognizes the Double call sequence.
- Number of Rings The value entered in this field determines the number of rings the Control panel will allow before answering an incoming call. If the 'Double Call' option is enabled this parameter will be ignored.
- **Callback** If this option is enabled the Control panel will call the 'Installer Telephone Number' when it receives the Teleservice call. In this way, authorized persons **only** can access the system.
- Customer Code This field shows the Customer code.
- Installer Telephone Number This field holds the 'Teleservice' number. The Control panel will call this number when it receives an incoming Teleservice call

(the 'Callback' option must be enabled). If several Teleservice numbers have been listed in the 'Telephone' page, you can select the required number from the drop-down list (click the down arrow to open the drop-down list).

### Test Event

The Test event will be generated at regular intervals, as per programming. This event will activate the Digital, Voice and Teleservice calls, in accordance with the 'Test Event' settings in the 'Events' page.

- Teleservice Test call This option will allow the Control panel to send the 'Test' call (Teleservice) automatically at regular intervals (as per programming) to the 'Installer Telephone Number'. If you DO NOT want to Enable the Test call, enter '00' for Event Code in the '445-Test Event' field (refer to the Events page).
- Send Test programming This field is for the Date and Time of the 'Test' event.



• To view the Date and Time of the successive 'Test' event — click the Download button.



■ To send a New Date and Time to the Control panel — click the 'Send Test programming' check box then click the Upload button.

- **Time/Interval** This field is for the interval (in hours) between 'Test' events. To Disable the 'Test' event, enter '**0**'.
- **Date/Hour** This field will allow you to View and Set the Date and Hour of the 'Test' event.

Teleservice	
Pages	X Teleservice
KYO8     Configuration     Keyoad (01)     Reades     Expander In/Out     Receiver     Zorns     Configuration     Receiver     Pathions     Pathions     Pathions     Pathions     Scheduler     Code     Xevents     Scheduler     Code     Xvieless Keys     Cock     Cock     Cock     Cock     Code     Code     Code     Code     Code     Code     Code	28 - Double Cal     Test Event       Number of rings     1       26 - Callback     Send Test programming       Customer Code     Test Programming       0000     Test Programming       01     Test Programming       028     Hour       038     Hour       010000     00000
Paul Collins 0005 Peter Davids 0003	Veload Download Help

## Logger Page

This window (see Figure 3.12) will allow you to view the events recorded in the Logger.

• No. - This is the event number.

The rotating Logger holds 256 events (128 on Series 4-8 Models). When the Logger is full, the oldest events will be deleted to make space for new events.

- **Date** Date when the event occurred.
- **Time** Time when the event occurred.
- Event Type Event description.

The following commands will allow you to manage the events:

Upload button - This command will allow you to upload the Events list from the Control panel to the Computer for viewing purposes.

Print button - This command will allow you to print the entire Events list.

The following buttons will become active when a Customer is loaded. The name of the Customer will be shown on the title bar.



몧 Upload

Print

**Save button** - This command will allow you to save the events on the Hard-Disk. Each Customer will have an Events file. The Application will create the file when the first 'Save' request is made.



- Load button This command will allow you to view the events stored on the Computer Hard-Disk.
- Delete button This button opens the Delete Logger window, and will

Logger	x Logger							
Ø. KY032		Logg						
E-11 Configuration			Date	Time	Event Type	<u>*</u>		
Configuration			01/01/00	0.00.00	Tamper Zone n*27(Zone 27)			
Readers			17/02/03	11.33.00	Unbypassed Zone n'9(Zone 9)			
Expander In/Out			17/02/03	11.33.00	Autobypass Zona n°9(Zone 9)			
Receiver			17/02/03	11.33.00	Autobypass Zona n°10(Zone 10)			
- E Zones			17/02/03	11.33.00	Autobypass Zona n°11(Zone 11)			
- 1 Outputs - dit Patitions - E Phone - C Telecervice			17/02/03	11.33.00	Autobypass Zona n'12(Zone 12)			
			17/02/03	11.33.00	Rectore Zone n'1[Zone 1]			
			17/02/03	11.34.00	Unbypassed Zone n'9(Zone 9)			
-OB Logger			17/02/03	11.35.00	Unbypassed Zone n°9(Zone 9)			
Events			17/02/03	11.35.00	Unbypassed Zone n°9(Zone 9)			
Scheduler			17/02/03	11.35.00	Autobypass Zona n°1(Zone 1)			
- @ Options - @ Code			17/02/03	11.35.00	Autobypass Zona n°2(Zone 2)			
⊡ == B Key			17/02/03	11.35.00	Autobypass Zona n°3(Zone 3)			
Key/Card			17/02/03	11.35.00	Autobypass Zona n'4[Zone 4]			
避 Wireless Keys			17/02/03	11.35.00	Alam Zone n°1(Zone 1)			
- (2) Clock			17/02/03	11.35.00	Alam Partition n'1(Partition 01)			
			17/02/03	11.35.00	Alam Partition n°2(Partition 02)			
Customers			17/02/03	11.35.00	Alam Partition n'3(Partition 03)			
Name Co			17/02/03	11.35.00	Alam Patition n°4(Patition 04)			
George Barnard 000 Paul Collins 000	. II		17/02/03	11.36.00	Failed Call (Number 1)			
Paul Collins 00 Peter Davids 00	11 H		17/02/03	14.42.00	Tamper Zone n°29(Zone 29)			
			17/02/03	17.12.00	Restore Zone n'4(Zone 4)			
			17/02/03	17.16.00	Rectore Zone n°4(Zone 4)	*		
		1				<u> </u>		
	- 1	Upload			2 Main User Code			

allow you to delete the events from the Hard-Disk.

The events logged between the **From - to** dates entered in this window will be deleted when the **OK** button is clicked.



■ Main User Code - This field is for the Main

User Code, which will allow the user to view the Events List (Installer Code NOT required).

## **Events page**

The parameters in this page (see Figure 3.13) determine the actions the Control panel will take in response to the associated events.

Telephone actions:

- a) activate the Digital Communicator (Pulse);
- b) activate the Voice Dialler.

This section describes the 'Event Settings' table (see Table 3.3 for the complete list of Programmable Events).

- No. This column shows the Event Identifier Numbers.
- **Description** This column shows the type of events the Control panel can manage (see Table 3.3 in the following pages).
- Telephone numbers

   1
   2
   3
   4
   5
   6
   7
   8

   <t
- **Telephone Number** The Telephone Number table will allow you to assign Telephone numbers to the various events. The selected Telephone Numbers will be called when the corresponding event occurs (see the Figure in the left margin).

Events												
	Event Settings     Telephone numbers     Event											
A. KY032	No.	Description	-			ne ni				Vent Code	Voice Message	
E I Configuration		Alarm Partition nº1(Partition 01)		1	10	10	1.0	14	00		No. of	-
Reader:		Alarm Partsion n*1(Partsion 01) Alarm Partsion n*2(Partsion 02)							- 00		Message 1 Message 1	
Expander In/Out Receiver		Alarm Partition n*3(Partition 02)	- H		Ť				- 00		Message 1 Message 1	
		Alarm Partition n <sup>4</sup> 4(Partition 04)			-17	1			- 00		Message 1	
- E Zones		Alarm Partition n*9(Partition 04)	- H		-	÷	1	5	- 00		Message 1 Message 1	
- Duputs		Alarm Partition n%(Partition 05)			-	÷		2	00		Message 1	
-dc Patitons	11	Alarm Partition n*7(Partition 07)			-	-			- 60		Message 1	
Phone Telepervice	07	Alarm Partition n®(Partition 00)			-	-	-		00		Message 1	
-CIII Logger		Alarm Zone nº1(Zone 1)	- H		-	÷			34		Message 1	
Control and a control and		Alarm Zone nº2(Zone 2)	- H		-	+	-		34		Message 1	
		Alarm Zone n*3(Zone 3)	- H		-	-	-		34		Message 1	
		Alarm Zone nº4(Zone 4)	- H	$\mathbf{v}$	~	17	1	~	34		Message 1	
	11	Alarm Zone n*S(Zone S)			1	1	1		34		Message 1	
		Alarm Zone nº6(Zone 6)				1	1		× 34		Message 1	
	14	Alarm Zone n#7(Zone 7)			-	1	1	~	34		Message 1	
	15	Alarm Zone nº0(Zone 8)				-	1		3.4		Message 1	
	16	Alarm Zone nº9(Zone 9)			-	-	т		34	ι.	Message 1	
Customers ×	17	Alarm Zone nº10(Zone 10)							34		Message 1	
Name Code	10	Alarm Zone nº11(Zone 11)				т	1		34	4	Message 1	
George Barnard 0004	19	Alarm Zone nº12(Zone 12)							34	ι.	Message 1	
Paul Coline 0005	20	Alarm Zone nº13(Zone 13)							34	ι,	Message 1	
Peter Davids 0000	21	Alarm Zone nº14(Zone 14)							34	ι.	Message 1	
1	22	Alarm Zone nº15(Zone 15)							34	ι.	Message 1	
1	23	Alarm Zone nº16(Zone 16)							34	ι.	Message 1	1.00
		Alarm Zone n°16(Zone 16) B 88 2 40	4		_	8			1.1	-	Message 1	-

Event Code - This column is for the Event Codes (usually assigned by the Central Station). Event codes comprise 2 digits, accepted values: 0 through 9 for CESA and, 0 through 9 and HEX digits A and F for all other protocols.

When using Pulse protocols with single digit codes, the second digit must be programmed as 'A' (refer to 'Customer Codes' in the 'Teleservice' page).

The programmed Codes will be sent to the Telemonitoring Telephone numbers (refer to 'Types' in the 'Telephone' page). Events that are not given Codes, or those with ' $\emptyset\emptyset$ ' value will not activate the Digital Communicator.

*Existing Codes Event (e.g.*  $\emptyset \emptyset$ ) must be deleted before new Codes can be entered.

 Assigning Voice
 Voice Message
 This field will allow you to assign a Voice message to the Event. The Voice Message will be sent when the Event occurs.

*Voice Message Telephone numbers must have the 'Voice message' attribute (refer to 'Type' in the 'Phone Page').* 

To assign a Voice message — triple click the relative field, open the 'Voice Message' drop-down list (click the arrow) then select the Voice Message.



• **CONTACT-ID button** - This button will allow you to assign the Codes shown in Table 3.2. All the Events will be sent to the first Telephone Number programmed as Contact-ID.



- **Default SIA button** This button will program the default SIA Codes (only for Kyo16D Control Panel). The complete list of this protocol is shown on the 'Programming Manual' of KYO16D Control Panel.
- Clear button This button will allow you to clear all the data programmed in the 'Telephone numbers' column, Event Code and/or SIA.
  - **Details button** This button opens the 'Events' window that will allow you to expand (check box selected) or contract (check box deselected) the details of specific events.

Therefore, if you wish to group the Partition Event details ('Partition Details' box deselected), the list will show just one string —\*Global\* — for all the Partition events, for example:

Patitions	되
Zones	되
Troubles	9
Codes	9
Super Keys	되.
Digital Key	5
- OK	X Cancel

Alarm Partition \*Global\*

#### Arm Partition \*Global\*

However, if you wish to expand the Partition Events details ('Partition Details' box selected) the list will show all the strings relative to Partition events, for example:

Alarm Partition n°1 (Partition 01) Alarm Partition n°2 (Partition 02) Alarm Partition n°3 (Partition 03) Alarm Partition n°4 (Partition 04) Arm Partition n°1 (Partition 01)



Arm Partition n°2 (Partition 02) Arm Partition n°3 (Partition 03) Arm Partition n°4 (Partition 04)

🐣 Messages

• Messages button - Press this button to access the Messages window. This window will allow you to customize and edit the recorded Messages.

Messages Sel		
Message 1	Message1	
Message 2	Message2	
Message 3	Message3	
Message 4	Message4	
Message 5	Message5	
Message 6	Message6	
Message 7	Message7	
Message 8	Message8	
J OK	X Cancel	

Table 3.2 - Event Codes for Contact ID								
Code	Event		Code	Event				
	Medical Alarms		(1) 33	24 Hours				
(1) AA			(1) 34	Entry / Exit				
(1) A1	Pendant Transmitter		(1) 35	Day / Night				
(1) A2	Fail to Report In		(1) 36	Outdoor				
	Fire Alarms			Tamper				
(1) 1A	Fire Alarm		(1) 38	Near Alarm				
(1) 11	Smoke			General Alarms				
(1) 12	Combustion		(1) 4A	General Alarm				
(1) 13	Water Flow		(1) 43	Exp. Module Failure				
(1) 14	Heat		(1) 44	Sensor Tamper				
(1) 15	Pull Station		(1) 45	Module Tamper				
(1) 16	) 16 Duct			24 Hour Non-Burglary				
(1) 17	Flame		(1) 5A	24 Hour Non-Burglary				
(1) 18	Near Alarm		(1) 51	Gas Detected				
	Panic Alarms		(1) 52	Refrigeration				
(1) 2A	Panic		(1) 53	Loss of Heat				
(1) 21	Duress		(1) 54	Water Leakage				
(1) 22	Silent		(1) 55	Foil Break				
(1) 23	Audible		(1) 56	Day Trouble				
	Burglar Alarms		(1) 57	Low Bottle Gas Level				
(1) 3A	Burglary		(1) 58	High Temperature				
(1) 31	Perimeter		(1) 59	Low Temperature				
(1) 32	Interior		(1)61	Loss of Air Flow				
NOTE - The	e Non-Modifiable part of the code is shown in br	acke	ets.					

### **Priority Event**

It is possible to give 'Priority' to one of the events on the Event list. When several events occur simultaneously, the calls relative to **Priority event** will be sent first.

The Priority Event can be selected/deselected in one of the following ways:

- double click the required event;
- select the event then, using the right button on the mouse, click once.

The Priority event will be highlighted in red.

**W** The IMQ-SECURITY SYSTEM approval applies only when the Priority Event is associated with a BURGLAR, ALARM, TAMPER or TROUBLE event, in that order.

				Table 3.3 - Pro	ogrammable Events
		No.			Ī
Contact ID Code	Kyo4-8 Series	Kyo 16D	Kyo32 Series	Event Description	Occurs when
(1) 00	0003	0003	0007	Alarm on Partition n°	alarm conditions are detected on one of the zone assigned to <b>Partition n°</b>
(1) 3A	0411	0419	0839	Alarm on Zone n°	alarm conditions are detected on <b>Zone n°</b>
(1) 00	1215	2023	4047	Inactivity Partition n°	the Control panel detects Inactivity on Partition n°
(1) 00	1619	2427	4855	Negligence Partition n°	the Control panel detects Negligence on Partition n°
(5) 7A	2027	2843	5687	Bypassed Zone n°	<b>Zone n°</b> is bypassed
(5) 7A	2835	4459	88119	Unbypassed Zone n°	the <b>Zone n°</b> is unbypassed
(4) 22	3659	60100	120143	Recognized Code n°	the Code n° is recognized. For CONTACT-ID, the User ID (CCC) ranges from 1 to 24 to specify the corresponding Recognized Code.
(4) 22	60187	101228	144271	Recognized DGK n°	the Key/Card n° (SAT or PROXI-CARD) is recognized. For CONTACT-ID, the User ID (CCC) ranges from 25 to 152 to indicate the Recognized Key number (e.g. Key 1 - CCC=25, Key 128 - CCC=152).
(5) 7A	188195	229244	272303	Auto-bypass Zone n°	the <b>Zone n°</b> is unbypassed automatically ( <i>refer to '<b>Options Page</b>'</i> )
(4) A2	196199	245248	304311	Arm Partition n°	the Partition n° is armed by Code or Key/Card
(4) A2	200203	249252	312319	Disarm Partition n°	the Partition n° is disarmed by Code or Key/Card
(4) 00	204207	253256	320327	Special Arming Partition n°	the <b>Partition n°</b> is armed via: a) a Command Zone b) the Scheduler c) the PC on-line
(4) 00	208211	257260	328335	Special Disarming Partition n°	the <b>Partition n°</b> is disarmed via: a) a Command Zone b) the Scheduler c) the PC on-line
(6) 00	212215	261264	336343	Reset Memory Partition n°	the Alarm Memory of the <b>Partition n°</b> is deleted
(1) 21	216219	265268	344351	Duress Partition n°	a Duress Code is used to disarm the Partition n°
(3) 50	220227	269276	352359	Failed Call n° (Description)	the call to theNumber (1 8) is unsuccessful. Failed Call Events 220 (352) to 227 (359) cannot be programmed to generate calls to their assigned telephone numbers. For example, Failed Call Event 220 (352) cannot be programmed to generate a call to Tel. Number 1, as this would generate a series of Failed Calls to this Tel. Number.
(1) 44	228235	277292	360391	Tamper Zone n°	tamper conditions are detected on the <b>Zone</b> (occurs only when the terminals of Balance or Double Balanced Zones are shorted)
(1) 3A	236243	293308	392423	Restore Zone n°	the <b>Zone</b> is restored after an Alarm or after a Tamper event
(1) 45	244	309	424	BPI Tamper	tamper is detected on one of the BPI devices (Snatch or forced opening)

Image: Construction of the system Tamper of the s	(1)45	2.444	505	424	ыгнанра	(Snatch or forced opening)
(1) 45         246         311         426         System Tamper System Tamper         panel is forced open. This event can also be activated by the Contro- parel snatch microswitch           (1) 45         247         312         427         Restore System Tamper         at faise Key/Card is detected at a reader           (1) 45         248         313         428         Faise Key         a faise Key/Card is detected at a reader           (3) A1         249         314         429         Mains Truoble         the Mains power fails for the programmed time (refer to Options Page)           (3) A0         251         316         431         Fuse Trouble         the battery is low or empty           (3) A0         252         317         432         BPI Fuse Trouble         the DBI Fuse [9b] blows           (3) A1         254         319         434         Telephone Line Trouble         the tatery is fully charged           (3) A1         255         320         435         Reset fuse         the fuse [9b] blows           (3) A1         255         320         435         Reset fuse         the fuse [9b] is replaced           (3) A2         256         321         436         Reset fuse         the tatery is fully charged           (3) A2         2	(1) 45	245	310	425	Restore BPI Tamper	all the conditions that generated the BPI Tamper event cease
(1) 45         24/         312         42/         System Tamper         all the conditions that generate the System Tamper event dear           (1) 45         248         313         428         False Key         a false Key/Card is detected at a reader           (3) A1         249         314         429         Mains Truoble         the Mains power fails for the programmed time (refer to 'Options Page)           (3) A2         250         315         430         Battery Trouble         the battery is low or empty           (3) 00         251         316         431         Fuse Trouble         the BPI Fuse [9c] blows           (3) AA         253         318         433         Telephone Line Trouble         the BPI or Wireless device fails to respond           (3) A1         255         320         435         Reset mains         the 230 Mains Voltage is restored           (3) A2         256         321         436         Reset fuse         the fuse [9c] is replaced           (3) A0         257         322         437         Reset fuse         the BPI rule (Poly fuse get restored)           (3) A0         258         323         438         Reset fuse PPI         the BPI rule [9c] is replaced           (3) A2         250         3	(1) 45	246	311	426	System Tamper	panel is forced open. This event can also be activated by the Control
(3) A1         249         314         429         Mains Truoble         the Mains power fails for the programmed time (refer to 'Options Page')           (3) A2         250         315         430         Battery Trouble         the Mains power fails for the programmed time (refer to 'Options Page')           (3) A2         250         315         430         Battery Trouble         the battery is low or empty           (3) O0         251         316         431         Fuse Trouble         the battery is low or empty           (3) AA         253         318         433         Missing Device         a BPI or Wreless device fails to respond           (3) A1         255         320         435         Reset mains         the talephone line is down           (3) A2         256         321         436         Reset fuse         the fuse [9c] is replaced           (3) A0         257         322         437         Reset fuse BPI         the BPI fuse [9b] is replaced           (3) A0         258         323         438         Reset fuse BPI         the talephone line is restored           (1) A0         261         326         441         Superkey 1         Superkey 1 is used           (1) L0         261         326         441 </td <th>(1) 45</th> <td>247</td> <td>312</td> <td>427</td> <td></td> <td> all the conditions that generate the SystemTamper event clear</td>	(1) 45	247	312	427		all the conditions that generate the SystemTamper event clear
(3) A1         249         314         429         Wans Iruobe         (refer to 'Options Page')           (3) A2         250         315         430         Battery Trouble         the battery is low or empty           (3) 00         251         316         431         Fuse Trouble         the battery is low or empty           (3) 00         252         317         432         BPI Fuse Trouble         the BPI Fuse [9b] blows           (3) AA         253         318         433         Missing Device         a BPI or Wireless device fails to respond           (3) A1         255         320         435         Reset mains         the talephone line is down           (3) A2         256         321         436         Reset fuse         the battery is fully charged           (3) 00         257         322         437         Reset fuse BPI         the BPI fuse [9b] is replaced           (3) 00         258         323         438         Reset fuse BPI         the BPI or Wireless devices respond           (3) 51         260         325         440         Reset Telephone Line         the telephone line is restored           (1) 10         261         326         441         Superkey 1         Superkey 1 is used </td <th>(1) 45</th> <td>248</td> <td>313</td> <td>428</td> <td>False Key</td> <td> a false Key/Card is detected at a reader</td>	(1) 45	248	313	428	False Key	a false Key/Card is detected at a reader
(3) 00         251         316         431         Fuse Trouble         the Fuse [9b] blows           (3) 00         252         317         432         BPI Fuse Trouble         the BPI Fuse [9b] blows           (3) AA         253         318         433         Missing Device         a BPI or Wireless device fails to respond           (3) AI         255         320         435         Reset mains         the telephone line is down           (3) A2         256         321         436         Reset mains         the 230 Mains Voltage is restored           (3) A0         257         322         437         Reset fuse         the BPI fuse [9b] is replaced           (3) O0         258         323         438         Reset fuse BPI         the BPI fuse [9b] is replaced           (3) AA         259         324         439         Device Restored         all the BPI or Wireless devices respond           (3) 51         260         325         440         Reset Telephone Line         the telephone line is restored           (1) 10         261         326         4441         Superkey 1         Superkey 2 is used           (1) 2A         263         328         443         Superkey 3         Superkey 3 is used	(3) A1	249	314	429	Mains Truoble	1 1 5
(3) 00         252         317         432         BPI Fuse Trouble         the BPI Fuse [9b] blows           (3) AA         253         318         433         Missing Device         a BPI or Wireless device fails to respond           (3) AI         255         320         435         Reset mains         the talephone line is down           (3) AI         255         320         435         Reset mains         the 230 Mains Voltage is restored           (3) AI         256         321         436         Reset battery         the battery is fully charged           (3) O0         257         322         437         Reset fuse         the BPI fuse [9b] is replaced           (3) O0         258         323         438         Reset fuse BPI         the BPI or Wireless devices respond           (3) AA         259         324         439         Device Restored         all the BPI or Wireless devices respond           (3) 10         261         326         441         Superkey 1         Superkey 1 is used           (1) 10         261         328         443         Superkey 2         Superkey 3 is used           (1) 2A         263         330         4445         TestEvent         the Control panel receivers a	(3) A2	250	315	430	Battery Trouble	the battery is low or empty
(3) AA         253         318         433         Missing Device         a BPI or Wireless device fails to respond           (3) 51         254         319         434         Telephone Line Trouble         the telephone line is down           (3) A1         255         320         435         Reset mains         the telephone line is down           (3) A2         256         321         436         Reset battery         the battery is fully charged           (3) 00         257         322         437         Reset fuse         the fuse [9c] is replaced           (3) 00         258         323         438         Reset fuse BPI         the BPI fuse [9b] is replaced           (3) AA         259         324         439         Device Restored         all the BPI or Wireless devices respond           (3) 51         260         325         440         Reset Telephone Line         the telephone line is restored           (1) 10         261         326         441         Superkey 1         Superkey 2 is used           (1) 2A         263         328         443         Superkey 3         Superkey 3 is used           (4) 22         264         329         444         Remote Command         the Control panel rec	(3) 00	251	316	431	Fuse Trouble	the Fuse [ <b>9c</b> ] blows
(3) 51         254         319         434         Telephone Line Trouble         the telephone line is down           (3) A1         255         320         435         Reset mains         the 230 Mains Voltage is restored           (3) A2         256         321         436         Reset battery         the battery is fully charged           (3) 00         257         322         437         Reset fuse BPI         the BPI fuse [9c] is replaced           (3) 00         258         323         438         Reset fuse BPI         the BPI fuse [9b] is replaced           (3) A1         259         324         439         Device Restored         all the BPI or Wireless devices respond           (3) 51         260         325         440         Reset Telephone Line         the telephone line is restored           (1) 10         261         326         441         Superkey 1         Superkey 2 is used           (1) 2A         263         328         443         Superkey 3         Superkey 3 is used           (4) 22         264         329         444         Remote Command         the Control panel receives a remote command via modern           (6) A2         265         330         445         Test Event         .	(3) 00	252	317	432	BPI Fuse Trouble	the BPI Fuse [ <b>9b</b> ] blows
(3) A1       255       320       435       Reset mains       the 230 Mains Voltage is restored         (3) A2       256       321       436       Reset battery       the battery is fully charged         (3) 00       257       322       437       Reset fuse       the fuse [9c] is replaced         (3) 00       258       323       438       Reset fuse BPI       the BPI fuse [9b] is replaced         (3) 00       258       323       438       Reset fuse BPI       the BPI fuse [9b] is replaced         (3) 00       258       323       438       Reset fuse BPI       the BPI or Wireless devices respond         (3) 51       260       325       440       Reset Telephone Line       the telephone line is restored         (1) 10       261       326       441       Superkey 1       Superkey 2 is used         (1) 2A       263       328       443       Superkey 3       Superkey 3 is used         (4) 22       264       329       444       Remote Command       the Control panel receives a remote command via modern         (6) A2       265       330       445       Test Event       the Control panel sends a Test event         (6) A2       266       331       446 <th>(3) AA</th> <td>253</td> <td>318</td> <td>433</td> <td>Missing Device</td> <td> a BPI or Wireless device fails to respond</td>	(3) AA	253	318	433	Missing Device	a BPI or Wireless device fails to respond
(3) A2       256       321       436       Reset battery       the battery is fully charged         (3) 00       257       322       437       Reset fuse       the fuse [9c] is replaced         (3) 00       258       323       438       Reset fuse BPI       the BPI fuse [9b] is replaced         (3) 00       258       323       438       Reset fuse BPI       the BPI or Wireless devices respond         (3) 51       260       325       440       Reset Telephone Line       the telephone line is restored         (1) 10       261       326       441       Superkey 1       Superkey 1 is used         (1) 2A       263       328       443       Superkey 2       Superkey 3 is used         (4) 22       264       329       444       Remote Command       the Control panel receives a remote command via modern         (6) A2       265       330       445       Test Event       the Control panel sends a Test event         (6) A2       266       331       446       Event Buffer 70% full       the Ungers Receiver is forced open         (1) 45       -       333       448       Wireless Tamper       the Wireless Receiver is dosed after forced opening         (1) 45       -	(3) 51	254	319	434	Telephone Line Trouble	the telephone line is down
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	(3) A2	_	338	453	WLS Battery Restored	the battery of the Wireless device is OK
NOTE - The Non-Modifiable part of the code is shown in brackets.				NOTE	- The Non-Modifiable pa	art of the code is shown in brackets.
# **Scheduler Page**

This Control panel has a built-in Scheduler which manages **Auto-Arming**. The parameters programmed in this page (see Figure 3.14) will determine the automatic arming schedule.

In order to allow the Control panel to manage this function, the User must enable the 'Enable/Disable auto-arming' option.

### Scheduler Table

- Day This column will allow you to select the day.
- ✓ The check boxes will allow you to select the Partitions that will auto-arm on the selected day.
- **Partition 01, 02, 03, 04, 05, 06, 07, 08** This column will allow you to program the automatic arming time (accepted values: 00.00 through 23.59 hours/minutes).

Auto-arming operations can be delayed by overtime requests. However, the Control panel will not allow an overtime requests to go past 24.00 hours, and will auto-arm at midnight.

• **Delete Entries** - This button will allow you to delete all the entries, and restore default.

Display         Display         Parametric         Parametric </th <th>Page X</th> <th>4 H.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Page X	4 H.								
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# **Options Page**

The options in this page (see Figure 3.15) will allow you to customize the Control panel.

## Options

The numbers in brackets refer to the 'Options' in the Installer Menu (accessed via the LCD keypad).

- View violated zones on keypad display (0) If this option is enabled, the keypad display will show zones violated during standby status.
- Chime on Keypad (1) If this option is enabled, the keypad buzzer will emit 5 beeps when a 'Chime' zone is violated during disarmed status.
- Chime on PROXI Reader (2) If this option is enabled, the PROXI Reader buzzer will emit 5 beeps when a 'Chime' zone is violated during disarmed status.
- Enable Wireless Receiver (3) If this option is enabled, the Control panel will enable the VRX32-433 or VectorRX/8 wireless receiver.

**BMM** If the system is equipped with a Wireless Receiver, the Performance level of the Control panel will down-grade from Level II to Level I.

• Enable Jamming Detection (4) - If this option is enabled, the Control panel will be able to detect attempts to jam the RF signal. If jamming occurs, the Control panel will generate a 'Jamming on Receiver' event (the



zone number will be specified in the Event Buffer).

If this option is enabled, Zone 32 cannot be programmed as "Wireless".

- Special button on Wireless Key (5) If this option is enabled, the 'B Mode' button on the Wireless key (A) will not Arm the system, but will perform the function of SuperKey 2.
- Future Use (6) Reserved. DO NOT SELECT!
- Teleservice Test call (7) Refer to the 'Teleservice' page.
- Future Use (8) Reserved for Future use (Inactive).
- **Reset alarm memory denied to installer code (9)** If this option is enabled **only** the Main User and User Codes will be able to delete the Alarm memories.
- **Reset tamper memory denied to user code (10)** If this option is enabled **only** the Installer Code will be able to delete the Tamper memories.
- **Bypass tamper on zone (11)** If this option is enabled, the Control panel will inhibit 'Tamper on zone' when the zone is bypassed.

**W** The IMQ-SECURITY SYSTEM approval applies only when the "**By**pass tamper on zone" option is disabled.

- **Real time zone restore (12)** If this option is enabled, the Control panel will signal 'Reset Zone' as soon as the zone is restored, regardless of the status of the Alarm cycle.
- Arming/disarming signalling changeover (13) For CESA and CON-TACT-ID reporting protocols: if this option is enabled, it will be possible to invert the significance of the digits used to transmit Activation/Restore messages to the Central station (for Arming/Disarming operations only).
- 2 way audio alert (14) If this option is enabled, the Control panel will open a 'Talk' channel for 15 seconds before starting the Listen-in session.
- **Call all telemonitoring numbers (15)** If this option is enabled, the Control panel will call all the programmed Telemonitoring numbers for each event. If this option is disabled, the Control panel will stop the call cycle as soon as it recognizes a **Successful Call**.
- (Kyo 4-8-32 Series) Call all voice numbers (16) If this option is enabled, the Control panel will call all the programmed Voice numbers for each single event. If this option is disabled, the Control panel will stop the call cycle as soon as it recognizes a Successful Call.
- (Kyo16D) Programmable Output Relais (16) If this option is enabled, the Output terminals of Alarm Relais will work as a 'Programmable Output' instead that as 'Alarm Output'. This function applies on the Output n. 1.

**W** The IMQ-SECURITY SYSTEM approval applies only when the "Relay Output Programmable" is disabled.

• Instant mains trouble signalling (17) - If this option is enabled, the Control panel will signal 'Mains Failure' immediately. Normally 'Mains Failure' is signalled 15 minutes after black-out.

- False key tamper (18) If this option is enabled, a False Key/Card used at a Reader will generate a Tamper Alarm. If this option is disabled, False Keys/Cards will not generate any kind of Alarm.
- Autobypass zones (19) If this option is enabled, the Control panel will bypass the zone automatically, if 'violated' (door or window open) at the time of Arming.

**M** The IMQ-SECURITY SYSTEM approval will be invalidated, if the "Autobypass zones" option is enabled, and Burglar, Tamper or Armed Robbery protection devices are connected to the zones.

• Arm squawk (20) - If this option is enabled, and the system is armed via a Command zone, the relay of the Siren will emit a 'squawk' to signal the arming request.

# In the KYO16D Control Panels this option is valid only if the option n. 16 is not selected.

- Arming denied if not ready (21) If this option is enabled, and an attempt is made to arm a partition that is 'Not Ready to Arm' the Control panel will (see Table 2.2), the request will be denied. If the request is denied, the keypad buzzer will emit an error signal.
- Arming denied on battery trouble (22) If this option is enabled, the Control panel will not Arm when the battery is low (Battery trouble).
- **Reader LEDs permanently active (23)** If this option is enabled, the Reader LEDs (ECLIPSE and PROXI) will indicate the system status.
- **Buzzer on PROXI Reader (24)** If this option is enabled, the Control panel will activate buzzers on the PROXI Readers.
- Lock installer code (25) If this option is enabled, 'Reset of Default parameters' will not default the programmed Installer Code.
- Callback (26) Refer to the 'Teleservice' page.
- Disable Telephone line check (27) It is necessary to select this option when the Control panel is not connected to a Telephone Line, otherwise, the LED **A** on the keypad will signal 'Line down' condition permanently.
- **Double Call (28)** Refer to the 'Teleservice' page.
- Disable tone check (29) Refer to the 'Telephone' page.
- **DTMF Dialling (30)** Refer to the 'Telephone' page.
- Jamming (31) If this option is enabled, the "Jamming" event will generate a Zone Tamper event.
- Internal use (32) Reserved. DO NOT SELECT!
- Confirm voice call (33) If this option is enabled, it will be possible to send confirmation of Voice calls to the Control panel by pressing the (star) key on the telephone keypad.
- Auto-Unbypass zone (34) If this option is enabled, the Control panel will unbypass automatically the Auto-bypassed zones. This option is valid only when the "Autobypass zones" option is enabled.
- Disable Verify voice answer (35) If this option is enabled, the Voice

message will, under all circumstances, start 5 seconds after dialling.

- Stop siren during Listen-in (36) If this option is enabled, the Alarm siren will be inhibited during Listen-in and 2-Way Audio sessions.
- Lock keypad on invalid Code (37) If this option is enabled, entry of 5 'Wrong codes' will lock the Keypad for 2 minutes.
- Arm/Disarm Voice Message (38) If this option is enabled, it will be possible to play the voice messages for the following events:

Exit Time	Continuous playback of Message no. 6
Entry time	Continuous playback of Message no. 7
Auto-arm Timeout	Continuous playback of Message no. 8

For further information regarding Voice Messages, refer to the MAIN UNIT MANUAL.

- Quick Arming (39) If this option is enabled, the User will be able to Arm a Partition by simply entering the Partition number and pressing (refer to "Operating from a Keypad" in the USER MANUAL).
- Enable redundant arming on Partition 1 8 (40 through 47) If this option is enabled, the Control panel will generate a 'Disarm' event also when the Partition is disarmed. If the event is associated with an Output, the Control panel will activate the Output concerned. This option is for Codes/Keys with the 'And' attribute (refer to "And" in the Attributes section). The Output will not activate until all the respective Keys and Codes have been used within the programmed window.
- Enable Autoarm on Keypad and PROXI (48) If this option is enabled, the system Keypads and PROXI Readers will emit and audible signal (beeps) during the 'Timeout-to-autoarm' (refer to option 24 — 'Buzzer on PROXI Reader').
- Inhibit DTMF functions during message playback (49) If this option is enabled, the Control panel will deny access to the DTMF Menu during Voice calls. However, the Answerphone functions, via the DTMF Menu, will still be available'.
- Deny Arming during Control panel trouble (50) If this option is enabled, the Control panel will not accept arming commands when it detects 'System Trouble' (signalled on the **A** indicator).
- Special Events for Stay Arming (51) If this option is enabled, the Stay (S) and Stay 0 Delay (I) Arming events will be logged as Eventi Speciali. Furthermore, Special Arming events (DTMF, Autoarm, Arming from PC or Command Zone) will be logged as Normal Arming events.
- Include Delayed zones in the 'Not-Ready-Stay' output evaluation (52) - If this option is enabled, the Control panel will activate the 'Not-Ready-Stay' output when it detects violation on any type of zone. If this option is disabled, the Control panel will activate the 'Not-Ready-Stay' output when it detects violation on Instant zones ONLY. For further details refer to the *Outputs Page* under 'Not Ready Stay' in the 'Signals' section.
- Serial Port Events (53) If this option is enabled, any Events recorded in the Event Logger will also be sent via the RS232 Serial Port.

**NOTE:** If this option is enabled, communications with the PC will be inhibited.

- For Future Use (54)
- (KYO16D) Enable tamper for BPI Device or Receiver missing (55) -When this option is enabled, the Control panel generate a tamper alarm for the BPI device missing or Wireless Receiver missing event. When this option is disabled, the control panel log these events only.

The IMQ-SECURITY SYSTEM approval applies only when the "Enable tamper for BPI Device or Receiver missing" is ENABLED.

• For Future Use (56 - 63)

# Auto-Reset Memory

This section will allow you to select the Partitions that will reset their Alarm memories automatically on Arming.

# Code Page

The parameters programmed in this page (see Figure 3.16) will determine the different access levels of the Codes. This system can manage up to 25 Codes. Codes 1 through 24 are User Codes, and Code 25 is the Installer Code. The Codes can comprise 4, 5 or 6 digits.

**W** Use of 4 digit Codes will down-grade the System Performance level from Level II to Level I.

# User Code Table

The User Codes can Arm/Disarm the system and perform various operations, in accordance with their programmed access levels (refer to the USER MANUAL).

No. - This column shows the Code Number (1 through 25).

Description - This field will allow you enter the Code label (max. 16 letters).

1, 2, 3, 4, 5, 6, 7, 8 - These numbers correspond to the 8 Partitions. The Codes can be programmed to operate in 3 different modes on the system Partitions, as follows:

On/C	Dff	$\checkmark$	×
А		I	14
$\checkmark$	~	·	
А	IN	1	
s	N	Q.	
	A A S		

**Type On/Off** (Red) - This row will allow you to Enable/Disable the Code on the Partition ( $\checkmark$  = Code enabled on the relative Partition).

A Mode (Amber) - This row will allow you to enable the status the Partition will assume when the Code makes an A Mode Arming request. The box will indicate the selected mode (see the Mode section—top right of the 'Code Page'). Refer to Table 3.1. for A Mode programming instructions.

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**B Mode** (Green) - This row will allow you to select the status the Partition will assume when the Code makes a **B Mode** Arming request. The box will indicate the selected mode (see the **Mode** section—top right of the 'Code Page'). Refer to Table 3.1 for **B Mode** programming instructions.

Main User Inactive Main User User Duress Patrol DTMF **Type** - Double click this field to open the drop-down list and select one of the following Code Types.

Main User - this Code type can perform all the operations allowed at the keypad.

User - this Code type allows:

- a) Arm/Disarm operations (in accordance with programming);
- b) Alarm memory reset;
- c) Overtime requests.

**Duress** - this Code type can perform the same operations as a User Code, and is used in the event of Duress (forced disarming). Duress Codes disable the system and contemporarily activate the Dialler.

**Patrol** - this type of Code can disarm the Code Partitions for the programmed Patrol Time. The Partition will rearm automatically when the Patrol Time ends, or when the Patrol Code is entered again.

DTMF - this type of Code can access the system via touch-tone telephone.

**Main User / Reset Call Queue -** this type of Code is similar to the 'Main User' Code except that, if this Code is used to disarm the system it will Clear the Call Queue automatically.

And - Select this option if the Code is to be associated with an 'AND' operation ( $\checkmark$  = 'And' attribute assigned).

Partitions with 'And' Codes/Keys will not disarm until all the respective Codes and/or Keys are used within the programmed window (refer to 'T. And Code' in the Partitions Page). This attribute is uninfluential for Stay or Away Arming.

#### **Quick Arm**

Code 22 can be used for the Quick Arm feature. This feature will allow the User to Arm Code 22 Partitions from the Keypad by pressing and holding the key for 3 seconds.

If the system is Armed from the Keypad in this way, the 'Code Type' will be ignored.

For further information, refer to the '**Operating from a Keypad**' in the 'USER MANUAL'.

### Wireless Key Codes

The functions programmed for Codes 23 and 24 can also be activated by Wireless Keys (this facility is available to Control panels with VRX32-433 and Vector/ RX8 Receivers). For further information, refer to the description of the **Wire**less Keys Page in this section.

#### Installer Code

The Installer Code PIN will allow you to access the programming session, and program the Control panel parameters via keypad or computer (local or remote). The Installer Code PIN can be programmed from a keypad or computer. The **Default Installer Code PIN (0025) must be changed** for security reasons.

To change the Default Installer Code PIN (0025) proceed as follows:

Do not enter digits in the PIN field.

- a) Enter the digits of your choice in the New PIN field.
- b) Enter the same digits in the Confirm New PIN field.
- c) Download the to the Control panel.

To change the current Installer Code PIN proceed as follows:

- a) Enter the current Installer Code PIN in the PIN field.
- **b)** Click **OK** ( $\checkmark$  **Ok**).
- c) Enter the digits of your choice in the New PIN field.
- d) Enter the same digits in the Confirm New PIN field.
- e) Download to the Control panel.

### **Programming User Code PINs**

The default PINs of enabled User Codes must be changed for security reasons.

To change the Default User Code PINs proceed as follows:

1. Select the required **User Code** from the **User Code Table** (the selected code number will be shown at the top of the Table).

*NOTE - Main User Code PINs can change the PINs of all the User, Duress and Patrol Codes that are enabled on the partitions it controls.* 

- 2. Enter the Main User Code in the Main User field, then click Enable.
- 3. Enter the digits of your choice in the New PIN field.
- 4. Enter the same digits in the Confirm New PIN field, then press OK.
- 5. Repeat the procedure for all the User Codes, then Download to the connected Control panel.

# Key/Card Page

The parameters programmed in this page (see Figure 3.17a) will determine access level of the Digital Keys/Cards. The system can manage 128 Digital Keys/Cards (SAT and/or PROXI-CARD).

# Keys/Cards Table

The User Codes can Arm/Disarm the system and perform various operations, in accordance with their programmed access levels (refer to the USER MANUAL).

- No. This column shows the Key/Code Number (1 through 25).
- **Description** This column is for the Key/Card labels of the first 16 Keys/ Cards (maximum 16 letters per label).
- Service This field will allow you to enable the Key/Card to control Service mode (Yes = Key/Card enabled for Service mode).

The Alarm relay will be inhibited during Service mode, and therefore, the Control panel will not generate Alarms.

- **Clear Call Queue** This field will allow you to enable the Key/Card to clear the Call Queue (**Yes** = Key/Card enabled to clear the Call Queue).
- **Patrol** This field will allow you to enable the Key/Card to manage **Patrol** mode (**Yes** = Key/Card enabled for **Patrol** mode). 'Patrol' Keys operate in the same way as 'Patrol' Codes, for details refer to the **Codes** Page.
- And This field will allow you to enable the 'And' operating mode (Yes = Key/Card enabled for 'And' mode). 'And' Keys operate in the same way as

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'And' Codes, for details refer to the Codes Page.

- **Partitions 1, 2, 3, 4, 5, 6, 7, 8** This field will allow you to enable the Key/ Card on the Partitions (**Yes** = Key/Card enabled).
- **Del.** This field will allow you to delete Keys/Cards (**X** = Key/Card deleted). Deletion will not be completed until the Program closes then reopens.

## Wireless Keys Page

If the Control panel is equipped with a VRX32-433 Receiver, it will be able to manage up to 16 Wireless Keys. Each of the Wireless Key must be associated with one of the two Codes available for the Wireless key facility (Code **23** or **24**). The operating capacity of the Wireless Keys depends on the attributes and access level of the selected Code. Figure 3.17b illustrates Wireless Keys Page.

**W** The IMQ-SECURITY SYSTEM approval applies only when no more than 14 Wireless keys are used.

- No. This column shows the *Wireless Key identifier number*, to be used when programming the Wireless Key from a Keypad.
- **Description** This field is for the Wireless Key label. The Application will use the label as the Wireless Key Identifier.
- Serial No. This field is for the 6 hexadecimal digit serial number (ESN) of the Wireless Key. The ESN is printed on the Wireless Key label.
- Code Select the Wireless Key Code (23 or 24).

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- Keypads (01)	2			Code 23	
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Zones	5			Code 23	
- A Outputs	6			Code 23	
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- Phone	8			Code 23	
Teleservice	9			Code 23	
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- Events	11			Code 23	_
Scheduler	12			Code 23 Code 23	-
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# **Clock Page**

The **Clock** Page (see Fig. 3.18) will allow you to set up the Control panel Clock (current Date and Time), and select the Date format.

When opened, this page will set up automatically in accordance with the current setting of the computer clock.



Click **Download** to send the current setting to the Control panel.



Click Upload to view the current setting in the Control panel memory.

# Programming from Computer (via serial Link)

The Control panel serial port [5] must be connected to a computer serial port by a **CVSER/9F9F** link (accessory item). Figure 3.19 illustrates the **CVSER/**9F9F cable. If the computer serial ports have 25 pole connectors, use an **ADSER/9M25F** adapter (accessory item). Figure 3.20 illustrates the type of cable required.

To Download (to the Control panel), proceed as follows:

- 1. Select the PC serial port (used for the link), as follows:
  - a) Select Settings ⇒ Serial Ports
  - b) Select the Serial Port from the Control panel section
  - c) Click OK

Clock
10f1 X
Kr0333     Kr0333     KeyCad     KeyCad

- 2. Enter the Installer Code PIN (refer to 'Code Page').
- 3. Send the data to the Control panel, as follows:

a) Select **Programming**  $\Rightarrow$  **Download** — to send all the programmed parameters to the Control panel.

**b**) Click the open page **Download** button — to send the open page parameters to the Control panel.

c) Using the right mouse button, click anywhere inside the 'Pages' section, then select 'Download' from the pop-up window to send the parameters relative to the selected ( $\checkmark$ ) pages.

4. To upload and view Control panel parameters proceed as follows:

a) Select **Programming** ⇒ **Upload** to view all the parameters stored in the Control memory.

**b**) Select **Upload** to view the parameters relative to the current page.

c) Using the right mouse button, click anywhere inside the 'Pages' section, then select 'Upload' from the pop-up window to view the parameters relative to the selected ( $\checkmark$ ) pages.



# Programming via Modem

The programmed parameters can be downloaded to the Control panel via the B.MOD Modem (remote connection). The B.MOD serial port must be connected to a computer serial port by a **CVSER/9F9F** link (accessory item) and, if necessary, by an **ADSER/9M25F** adapter (accessory item). Use a cable similar to that used for the computer to Control panel link (see Figure 3.19 and 3.20).

- 1. Select the PC serial port (used for the Modem link), as follows:
  - a) Select Settings  $\Rightarrow$  Serial Ports
  - b) Select the Serial Port from the Modem section
  - $c) \quad \mathrm{Click}\, OK$
- 2. Enter the Installer PIN (refer to 'Code Page').
- 3. Select **Modem** ⇒ **Connection** to open the 'Connection Window' (see Figure 3.21)
- 4. Program the following parameters:

a) The **Telephone Number** of Customer (see **File** ⇒ **Save Configuration** to 'The Menu Bar' paragraph).

- b) The Disable Tone check option (refer to the 'Phone Page').
- c) The Double Call option (refer to the 'Teleservice Page').
- d) The **Callback** option (refer to the 'Teleservice Page').

	<b>a</b> Connection Window		_ 🗆 ×	
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	Installer Code	****		
Messages Section	Select Quit Ok H	? elp		
Figure 3.21 - Connection Win	dow			

When the Connection Window opens, parameters **b**), **c**) and **d**) will assume the values of their counterparts in the 'Teleservice Page' or 'Phone Page'.

The parameters programmed in the 'Connection Window' will not affect their counterparts in the Application pages.



Click the Select button (below the 'Messages' section) to view the connection status. Table 3.4 shows the complete Message list. If the connection is successful, the following message will be shown:

#### KYOxACK

#### Х.ХХ

#### Connections



- Click the OK button to close the 'Connection Window', and activate the connection. All Download and Upload commands will affect the Control panel that is connected via telephone.
- 7. To program or view the Control panel parameters, go to the 'Programming from PC' section, and proceed from steps 3 and 4.
- To end the connection, select Modem 

  → Hang up. The 'Connection ended' message will be shown after several seconds.



To abandon the telephone connection, click the **Quit** button.

Table 3.4 - Modem Messages					
Message	Description				
Omnia/Norma MODEM v. X.XX	This is the type of Modem that is connected to the computer serial port				
Unknow Modem	The configured Modem is not recognized or does not respond. Check the cable and the serial port connection.				
Receiving	The Modem/PC system is waiting for an incoming call. This is the system status when the 'CONNECTIONS' window opens				
BACKRING	The dialled telephone number is ringing				
KYOXACK	KYO Panel Control has been recognized				
Wrong Installer Code	The remote Control panel cannot read the Installer PIN $-$ probably due to a bad line				
Busy Line on Hook	The Modem has detected the engaged tone and has released the line				