EXPANDABLE MULTIFUNCTION CONTROL PANEL

KYO 320

USER MANUAL

ISO 9001 9105.BNT1 ISO 9001 IT-52587 ISO 14001 9191.BNT2 ISO 14001 IT-52588

BENTEL SECURITY

This system can be programmed using the respective (**KYO320**) Software Application 5.4.3 or higher.

Installation of the system must be carried out strictly in accordance with the instructions described in this manual, and in compliance with the local laws and bylaws in force.

The **KYO320** Control panels have been designed and manufactured to the highest standards of quality and performance.

The **KYO320** Control panels have no user-friendly components, therefore, should be serviced by authorized personnel only.

BENTEL SECURITY shall not assume the responsibility for damage arising from improper application or use.

The manufacturer recommends that the installed system should be completely tested at least once a month.

Hereby, Bentel Security, declares that **KYO320** Control panels comply with the essential requirements and other relevant provisions of Directive **1999/5/EC**.

Recycling information

BENTEL SECURITY recommends that customers dispose of their used equipments (panels, detectors, sirens, and other devices) in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.

For specific information see: www.bentelsecurity.com/en/environment.htm

Waste Electrical and Electronic Equipment (WEEE) Directive

In the European Union, this label indicates that this product should NOT be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

For specific information see: www.bentelsecurity.com/en/environment.htm

NOTE:
In addition to the present User Manual, the Installation and Programming from keypad Manual are also available for KYO320 control panel. It is possible to buy these manuals separately from the KYO320 control panel, or to download them from Bentel Security website: http://www.bentelsecurity.com.

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OPERATING YOUR SYSTEM FROM A KEYPAD

Read this section thoroughly to get an overall view of how to operate your system from a Keypad. KYO 320 can manage 16 **Alison/32LP** Keypads (Fig.1) or 32 **MIA-D** and/or **Alison-DVP** Keypads.

Alison-S(B029),**Alison/32LP**, **MIA-D** and **Alison-DVP** keypads are similar except:

- **MIA-D** has a larger display and provides 3 pairs of fast keys for instant activation of Burglar, Fire and Emergency Alarms (to be programmed by your Installer);
- **Alison-DVP** has a built-in proximity Reader and is smaller and provides an integrated microphone and loudspeaker for Voice functions (Voice message recording, Talk-Listen in sessions, etc.). **Alison-S(B029)** is identical to Alison-DVP but does not provide an integrated microphone and loudspeaker and proximity Reader. Alison-S(B029) keypad is the Alison-S keypad with (B029) board.
- **Alison/32LP** has a built-in proximity Reader and is for system management only, therefore, it is not suitable for programming purposes (refer to the Alison/32LP Instructions leaflet).

Figure 1 shows the main components of the **MIA-D**, **Alison-DVP** and **Alison/32LP** Keypads:

1 Function LEDs
2 Display
3 Microphone (**Alison-DVP** only)
4 Keys
5 Information chart
6 Flip
7 Fast Keys (**MIA-D** only)

Contrast Adjustment

To adjust the contrast of the LCD display, press and hold:

- [C] to increase contrast
- [D] to decrease contrast

Brightness adjustment

To adjust the brightness of the LCD display, press and hold:

- [A] to increase brightness
- [B] to decrease brightness

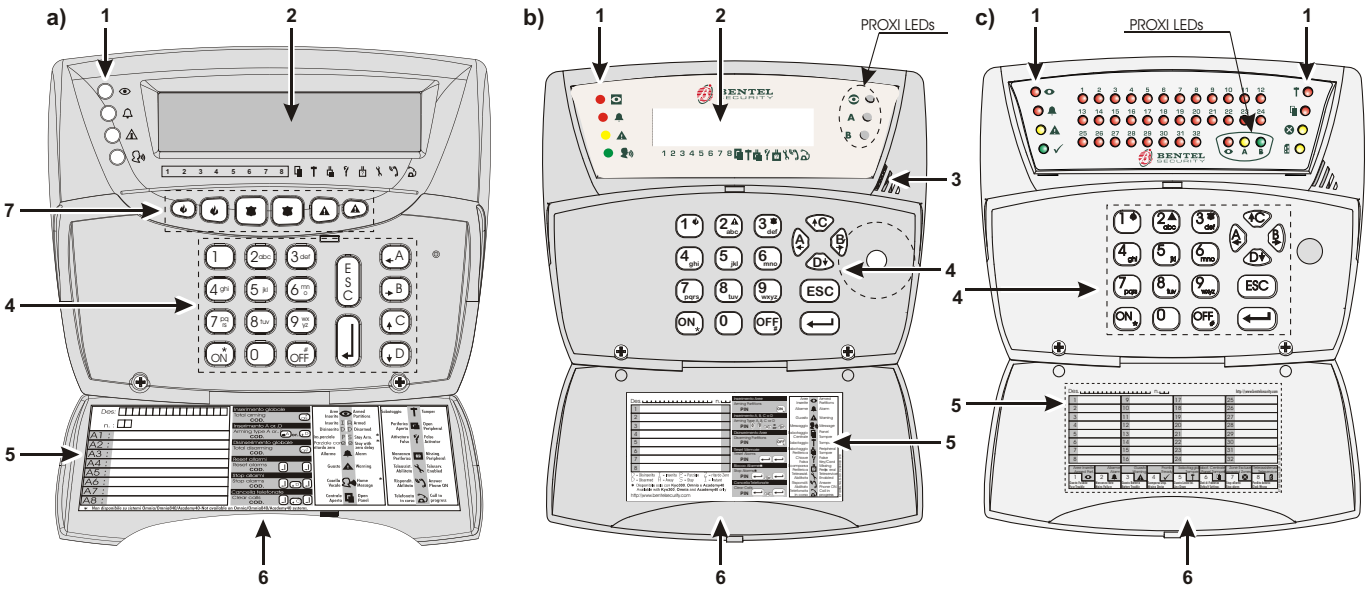


Figure 1 *- **a**) MIA-D Keypad, **b**) Alison-DVP Keypad, Alison/32LP*
*NOTE: The 32 LEDs on ALISON/32LP Keypads correspond to the system Partitions (32 for KYO 320). The Partition LEDs will turn **ON** when the respective Keypad Partitions Arm, and **OFF** when they **Disarm**. They will **Slow Blink** if the system detects Alarm or Tamper conditions when the respective Partitions are Disarmed, and **Fast Blink** if the system detects Alarm or Tamper conditions when the respective Partitions are Armed.*

Superkey functions

If your Installer has set up the '**Superkeys**', you will be able to perform some "Quick" operations from the keypad without using codes. The table shows how to activate the programmed functions.

The '**Superkeys**' can be set up to activate:
- Electrical appliances (e.g. Heating system, Lights, etc.)
- the Digital communicator
- the Dialler

The '**Superkey**' actions are instant and will be confirmed by a feed back signal (beep).
The Superkeys can be set up to work differently on different Keypads.

☞ *If the FIRE, BURGLARY and AUXILIARY keys are in service, holding down both keys for approximately 3 seconds will activate the respective command.*

MIA	Alison-DVP Alison-S(B029) Alison/L32P	Activation method
	--	*Press and hold both keys*
	--	*Press and hold both keys*
	--	*Press and hold both keys*
1	1	*Press and hold the key for approximately 3 seconds*
2abc	2abc	*Press and hold the key for approximately 3 seconds*
3def	3def	*Press and hold the key for approximately 3 seconds*

Audible and Visual signals on the Keypad

This following paragraphs describe how the Keypad LEDs, display and sounder indicate the system status. Table 1 shows the meaning of the four indicator LEDs on the MIA/D, Alison-DVP and Alison-S(B029) Keypads, and the eight indicator LEDs on the Alison/32LP.

■ LEDs

Refer to Table 1 for the description of the four LEDs on the Keypad.

■ Display

During standby status, the first line will show the Time and Date, as follows.

1 2 3 4 5 6 7 8

If the Control panel has stored a zone Alarm or Tamper event (🔔 LED on or blinking, respectively), the first line will show the description of the zone concerned, as follows.

1 2 3 4 5 6 7 8

TABLE 1 - KEYPAD LEDs

Symbol	Meaning
	Off: *All the Keypad Partitions are Disarmed* ***On:*** *At least one of the Keypad Partitions is Armed* ***Slow blinking:*** *STOP ALARMS function is Active* ***Fast blinking:*** *STOP ALARMS is Active and AT LEAST ONE of the Keypad Partitions is Armed*
	Off: *Standby status (No alarms)* ***On:*** *Zone Alarm/s in memory* ***Slow blinking:*** *Tamper on at least one zone or on the Control panel* ***Fast blinking:*** *Alarm and Tamper on at least one zone, or Tamper on the Control panel*
	Off: *No Trouble conditions detected* ***On:*** *At least one Trouble condition detected* ***Slow blinking*** *At least one zone in Test status* ***Fast blinking:*** *At least one zone in Test status and one in Trouble status*
	Off: *No voice messages in memory* ***On:*** *At least one voice message in memory (*)*
	Off: *At least one Alarm line (unbypassed) has been violated* ***On:*** *Ready to Arm — all Alarm lines (unbypassed) are in standby status (**)*
	Off: *No Tamper -* ***Slow blinking:*** *At least one Tamper event in memory* ***Fast blinking:*** *Tamper conditions present (**)*
	Off: *Control panel frontplate closed* ***On:*** *Control panel frontplate open (**)*
	Off: *All the Zones belonging to the Keypad Partitions are unbypassed* ***On:*** *At least one of the Zones belonging to the Keypad Partitions is bypassed (**)*
	Off: *Control panel is not enabled for incoming Teleservice calls* ***On:*** *Control panel is enabled for incoming Teleservice calls* ***Slow blinking:*** *Programming phase* ***Fast blinking:*** *User menu accessed (**)*
NOTE: The Zone Alarm and Tamper events, signalled on the LEDs, refer to zones which belong to the Keypad Partitions. *(*): only MIA/D and ALISON-DVP Keypads, (**): only ALISON/32LP LED Keypads*	

If the Control panel has stored several zone Alarms and/or Tamper events in the memory, the first line will show the zones concerned (one-by-one at 3 second intervals). The second line will provide information on the status of the Partitions. The left-hand side of the display will provide information on the status of the Keypad Partitions, as shown in Table 3.

☞ *KYO 320 manages 32 Partitions. However, only 8 Partitions can be viewed on MIA/D, Alison-DVP and Alison-S(B029) Keypads. Therefore, the numbers below the display will correspond only when the first 8 Partitions are selected (refer to Quick View Partition mode).*

Trouble conditions will be signalled on the right-hand side of the second line. The trouble conditions are represented by the Icons directly below the display. Memory of Trouble conditions will be indicated by an "⁙" above the respective Icon (refer to Table 4 for details).
If the Teleservice or Answering Machine facility is Enabled, an asterisk (*) will be shown above the respective Icon (refer to Table 5 for details).
If the Telephone line is busy or down, a ▯ will appear above the Icon (refer to Table 4 for details).

■Buzzer

The Keypad sounder will emit a beep each time you press a key. It will also signal:
- the Exit time (slow beeps);
- the Entry time (fast beeps);
- the Auto-arm timeout (four-beep sequence);
- if the respective option is enabled, Partition Alarm or Tamper event in memory (two-beep sequence);
- data input errors or invalid operations (buzz).

Basic Commands

You can control eight basic commands from standby status by typing-in your code and pressing the respective keys (refer to the following Table). Access to ALL

TABLE 2 - ARMING/DISARMING PARTITIONS (LCD KEYPADS)

Initial	Mode	Result
A	**Away**	*The system will turn ON the perimeter and interior zones of the respective Partition*
S	**Stay**	*The system will turn ON the perimeter zones of the respective Partition and will leave the interior zones OFF.*
I	**Stay 0 Delay**	*The system will turn ON the perimeter zones of the respective Partition and will leave the interior zones OFF, and will remove the ENTRY TIME from zones which have one.*
D	**Disarm**	*The system will turn OFF the perimeter and interior zones of the respective Partition.*
-----	**Disabled**	*The respectivePartition is not a Keypad Partition, therefore, cannot be controlled from the keypad.*

Note: *If the Partition has one or more Alarms in memory the letter will blink.*

TABLE 3 - TROUBLE SIGNALS (LCD KEYPADS)

Icon	Signalled by	Meaning
	⁙	***ON*** *- Control panel Tamper (Control panel open or dislodged)* ***Blinking*** *- Control panel Tamper has cleared but at least one Open Panel event in memory*
	⁙	***ON*** *- System Tamper* ***Blinking*** *- System Tamper has cleared but there is at least one System Tamper event in memory*
	⁙	***ON*** *- Tamper on at least one peripheral device (Keypad, Reader, Expander or Receiver)* ***Blinking*** *- Peripheral Tamper has cleared but there is at least one Peripheral Tamper event in memory*
	⁙	***ON*** *- A False Key/Card is present at a Reader* ***Blinking*** *- At least one False Key/Card event in memory*
?	⁙	***ON*** *- A peripheral device (Keypad, Reader, Wireless or Expander) has been disconnected* ***Blinking*** *- At least one Peripheral Trouble event in memory*

NOTE: *To clear the ■ T and Trouble signals, select the* ***Reset Alarm*** *option from the User Menu.*

TABLE 4 - TELEPHONE SIGNALS (LCD KEYPADS)

Icon	Signalled by	Meaning
	*	***OFF*** *- Teleservice Disabled* ***ON*** *-Teleservice Enabled*
	*	***OFF*** *- Answerphone facility Disabled* ***ON****- Answerphone Facility Disabled*
	▯	***OFF*** *- Line Free* ***ON*** *- Line Busy* ***Blinking*** *- Line Down*

commands — except 'View Trouble' — require entry a valid User Code PIN.

Enter	COMMAND
<Code> ON	Arm
<Code> OFF	Disarm
<Code> A	A Mode Arm
<Codice> B	B Mode Arm
<Code> C	C Mode Arm
<Code> D	D Mode Arm
<Code>	Access User Menu
ONLY	"View trouble" mode

☞ *'View Trouble' mode is available on LCD Keypads at all times, and can be accessed without entering a Code.*

☞ *Commands will affect **only** the Partitions common to both the User code and Keypad concerned (common Partitions).*

Invalid commands will be signalled by a buzz and the following message:

invalid commands may be due to the User code or the Keypad (e.g. the User code is Disabled on the Keypad Partitions).

☞ *If you do not press a key within 30 seconds, the keypad will revert automatically to standby status.*

The User can enter the following commands at the Keypad.

■ **Arming Partitions (<Code>ON)**
This command will Arm all the common Partitions of the User code and the Keypad concerned.

☞ *DO NOT assign Duress Codes to Arming commands.*

■ **Disarming Partitions (<Code> OFF)**
This command will Disarm all the common Partitions of the User code and the Keypad concerned.

Disarm under Duress

This command requires entry of a **Duress Code**. The Control panel will Disarm the Partitions and will send the programmed Alarm calls but will not signal the outgoing calls on the Keypad (usually signalled by a over the icon).

TABLE 5 - "VIEW TROUBLE" MODE

Message	Description
Troub. pow. syst.	*The Control panel battery or at least one Power Station is not functioning properly*
Low battery	*The Control panel battery or at least one Power Station battery is low*
AC Mains failure	*The Mains power to the Control panel or to at least one Power station has failed*
Batt. disc. pw. s.	*At least one Power Station has disconnected its Battery*
Fault chrg. pw. s.	*At least one Power Station has Battery-charger trouble*
Swtch. disc. pw. s.	*At least one Power Station has disconnected its Battery-charger*
Out short pw. s.	*At least one Power Station has one Output in short-circuit*
Tel. line troub.	*Line down*
Fuse B1	*Shortcuts/blown fuse on terminals +N1 and +A1 (1.85A-250V)*
Fuse B2	*Shortcuts/blown fuse on terminals +N2 and +A2 (1.85A-250V) KYO320 only*
Fuse B3	*Shortcuts/blown fuse on terminals +N3 and +A3 (1.85A-250V) KYO320 only*
Fuse B4	*Shortcuts/blown fuse on terminals +B4 (1.85A-250V) KYO320 only*
Fuse B5	*Shortcuts/blown fuse on terminals +B5 (1.85A-250V) KYO320 only*
Fuse +F	*Shortcuts/blown fuse on the power line +F (1.85A-250V)*
Fuse BPI 1	*Shortcuts/blown fuse on BPI line1 (1.85A-250V)*
Fuse BPI 2	*Shortcuts/blown fuse on BPI line2 (1.85A-250V)*
Fuse KEYBUS	*Shortcuts/blown fuse on the Key Bus (500 mA-250V)*
Stop al. jump. in	*STOP ALARM jumper is connected*
Low battery WLS	*Low Battery on one or more Wireless devices*
Warn. lithiumbatt	*The RAM battery must be replaced*
Call Installer	*Service is due — Call your Installer*
Call Centr. Stat.	*Central Station intervention is due — Call your Central Station*
Daylight Saving	*The Control panel Clock has been turned forward/back*
WLS Device lost	*Connection problems with a Wireless device (Missing or Trouble present)*
Clock Stopped	*The Control panel Clock has stopped*
Vox board lost	*Connection problems with the Vox Board (Missing or Trouble)*
Start program	*Programming session via PC (on-site or via Modem) started during Disarmed status*
Inactivity	*The zone"Inactivity Time" has expired*
Disclosed PIN	*A PIN (DUPLICATED at random) has been DISCLOSED to another User*

Disarm by Patrol Code

If a Patrol Code is used to Disarm the Partitions, the Control panel will rearm the Partitions automatically when the programmed Patrol Time expires.

■ **Arming in A, B, C or D Mode (<*Code*> [A], [B], [C] or [D])**

☞ *DO NOT assign Duress Codes to A, B, C or D Mode Arming commands.*

Each user code can be set up to manage four different Arming mode configurations: A, B, C and D. These configurations determine the Partitions that will Arm, and those that will Disarm when an A, B, C or D Mode command is entered at a Keypad (the final configuration depends on the User code and Keypad Partitions).

☞ *Keypads can operate ONLY on the Partitions they are assigned to.*

■ **Quick Arming for MIA/D, Alison-DVP and Alison-S(B029)**

1. Press [ON]: the Keypad will sound a beep.

2. Press and hold the [ON] key for approximately 3 seconds, the Keypad will sound a second beep, and the display will show the following message:

```
Quick arming ___
Type: A,B,C,D__
```

3. Press [A], [B], [C] or [D] within 4 seconds (to Arm in A, B, C or D mode, as required). If you do not press a key within 4 seconds the Control panel will Arm the Partitions automatically in Away mode.
Quick Arm operations will affect the Keypad Partitions and the Partitions assigned to the Quick Arm method.

☞ *Your Installer will tell you which Keypads can be used, and which Partitions are involved.*

You can Arm/Disarm the Partitions separately using a 6-digit User Code PIN, as follows: — type in a 6-digit User Code PIN followed by the 2-digit ID number of the Partition concerned , then press ON, OFF, A, B, C or D, as required. The partition concerned will Arm/Disarm in accordance with programming.
Example: If the 6-digit User code PIN is **135790**, and you want to Arm Partition **13** in Away Mode, type-in **13579013** then press ON. If you want to Disarm Partition 13, using the same PIN, type-in **13579013** then press **OFF**. If you enter 13579013 then press **A**, **B**, **C** or **D**, Partition 13 will Arm in accordance with the respective configuration.

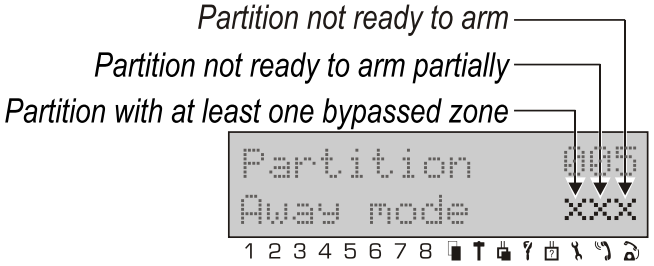


Figure 2 *Partition status.*

■ **About Partition Arming**

If you Arm a Partition with an Exit Time, the Keypad will emit slow beeps to signal the elapsing Exit Time.
If you arm several Partitions with different Exit Times, the Keypad will emit slow beeps until all the Partition Exit Times expire. However, each Partition will Arm when its own Exit Time ends.
When you enter a valid Arming command at a Keypad, the Control panel will check for:

a) Zones in Alarm
b) Inactive Zones
c) Bypassed Zones
d) WLS delinquency zone

The Partitions will Arm instantly if none of these conditions is present. If the system detects zones in Alarm, Inactive and/or Bypassed and/or WLS delinquency status, the respective message will be shown on the display.

```
Open Zones!
  Arm?  ↓↵
```

If this condition is present:

- press [D] then, scroll for the zones concerned. Ensure that all the zone doors and windows are closed securely, and that there is no motion in the vicinity of motion detectors;
- press [ESC] to abort the command, then retry.

☞ All zone Alarms must be cleared before Arming the Partitions otherwise Arming will generate an Alarm.

```
Inactivity!
Arm ?
```

If this condition is present:

- press [D] to view the Inactive zones.
- press [ESC] to abort the command, then retry.

```
Bypassed Zones!
____Arm?___   ↓↵
```

If this condition is present:

- press [D] to view the Bypassed zones.

Ensure that no zones have been bypassed (turned OFF) unintentionally. If necessary, use the [ON] key to UnBypass (turn ON) Bypassed zones.
Press [↵] to Arm the Partitions.

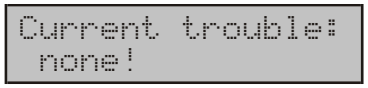
☞ *All zones must be unbypassed before Arming the Partitions otherwise security will be greatly reduced.*

In the following example, zone 5 has been BYPASSED.

ON, OFF
Use C or D to scroll the zones in Alarm, Inactive or Bypassed status.

■ **Quick View Trouble Mode ( )**
Your system will continuously check for Trouble conditions. If a Trouble condition occurs, the Amber ⚠ LED on the Keypad will turn ON.
To check current Troubles (from standby):
Press the key on the Keypad.
If several Trouble conditions are present:
Use C or D to scroll the list (Table 5 shows the various Trouble conditions).

If you access the **View Trouble** Mode and no Trouble conditions are present, the display will show the following message:



Press the key to exit.

■ **Partition status enquiry**
Press the ON key to view the status of the Keypad Partitions:

The first line of the display will show (from right to left) the status of Partitions no. 1 through no. 16, the second row of the display will show (from left to right) the status of Partitions no. 17 through no. 32. The hyphen (–) indicates that the Partition is not a Keypad Partition.
The Partition status will be shown for approximately 6 seconds.

☞ *Partition status enquiry is possible on Enabled Keypads only. If Partition Alarm or Tamper is present the respective character will blink.*

☞ *"View Trouble" mode provides information regarding zones which generate "Low Battery WLS" and "WLS Device lost" events. For the event details (i.e. iinformation regarding the zone concerned), press B.*

Accessing the User menu (<Code>)

(for MIA/D, Alison-S(B029) and Alison-DVP Keypads)

Enter a valid User Code then press the key to access the User menu. The User menu will allow Users to access ONLY the commands they are enabled for.

☞ *You can access the User menu when the Control panel is Armed or Disarmed.*

Using C and D, scroll for the required option then press the key.
Press ESC as many times as required to step back and exit the menu.

☞ *Several Users can access the menu at the same time from different keypads.*

The User menu provides the following options:
- ❒ **Reset Alarms**
- ❒ **Stop Alarms**
- ❒ **Arm/Disarm**
- ❒ **Overtime request**
- ❒ **Overtime request**
- ❒ **Enable/Disable auto-arm**
- ❒ **Enable/Disable Teleservice**
- ❒ **Enable/Disable Answering device**
- ❒ **Disable buzzer**
- ❒ **Change Telephone number**
- ❒ **Program PINs**
- ❒ **Change Time and Date**
- ❒ **Reset PC Programming**
- ❒ **Test Keypad**
- ❒ **Test Siren**
- ❒ **Activate Outputs**
- ❒ **Zone status**
- ❒ **Continuous recording**
- ❒ **Memo**
- ❒ **Event logger**
- ❒ **Clear call queue**
- ❒ **Enable/Disable Timers**
- ❒ **Enable/Disable Key**

☞ *Your Installer has programmed your Control panel with your requirements in mind. Therefore, some of the options may not be available*

This system can manage 195 User Codes. Only the first User Code (**0001**) is **Active** and can operate the system.
Your Installer will enable and program as many User Codes as necessary. The programmed Access Level defines the User Code Partitions (the Partitions the User Code can control) and the User Code options (the options the User Code can access). **The menu will show the options the entered User Code is enabled for.**
The following paragraphs describe all the Options on the User menu.

☞ *The commands will affect ONLY the common Partitions of the User Code and Keypad concerned.*

■ **Reset Alarms and Tamper**
This command will allow you to restore all Alarm signalling devices to Standby, and delete the zone and Partition Alarm memories.
Once the command has been executed, the display will show the following message:

```
USER MENU
   done!
```

If Alarm signalling persists after a **Reset Alarms** command, select the **Stop Alarms** option. The causes of persistent Alarms must be cleared immediately.

■ **Stop Alarms**
This command will allow you to stop and freeze all the Alarm signalling devices. This status can be undone by pressing any key. During this phase the Control panel will be unable to trigger Alarms, and the display will show the following message:

```
STOP ALARMS!
STOP ALARMS!
```

— This line will blink
— This line will be solid

The 👁 indicators on Keypads, assigned to any of the Partitions of the Keypad concerned, will blink.

■ **Arm/Disarm**
This command will allow you to Arm or Disarm the Partitions one by one, as follows:
1. Use [C] and [D] to scroll the Partitions common to both the Keypad and User Code concerned (the current status will be indicated on the second line).

```
Partition  001
disarmed   x
```

meanings of the **X**'s that may appear on the second line can be found in Figure 1.

2. Press the [#] key to select the required Partition. The display will show the Arming options, as follows:

```
1=AWAY    2=STAY
3=STAY_0  4=DIS
```

3. Press the relevant key to select the required mode:

[1] - Away
[2abc] - Stay
[3def] - Stay with 0 delay
[4ghi] - Disarm

4. Press the [ESC] key to step back to the User menu.

■ **Zone status**
This command will allow you to turn ON/OFF (UnBypass/Bypass) the zones of the User Code Partitions. The display will show the BYPASSED or UNBYPASSED status, and the current condition of the zone, as follows:
➢ **ALARM** (Alarm conditions present)
➢ **TAMPER** (Tamper conditions present e.g. Wires cut)
➢ **SHORT** (Tamper conditions present e.g. Short-circuit)
➢ **STBY** (zone in standby status)

☞ ***NOTE:*** *You must call your Installer if any zones signal Tamper or Short-circuit.*

1. Use [C] and [D] to scroll the zones of the Partitions common to the Keypad and User Code concerned.

```
zone n.  002
sitting room
```

2. Press the [#] key to select the required zone. The display will show the zone status, as follows

```
Sitting room
STBY UNBYPASSED
```

3. Using the [ON] and [OFF] keys UNBYPASS (turn ON) or BYPASS (Turn OFF) the zone, as required.

4. Use [C] or [D] to scroll the zones and continue, or press the [ESC] key twice to step back to the User menu.

☞ *Attempts to Arm (turn ON) the Partitions when zones are Bypassed or in Alarm status will activate the **Zones status** list automatically. Only the zones that are about to be Armed will be included in the list.*

☞ *You can Bypass a Zone using a 6-digit User Code PIN, as follows: — type in a valid 6-digit User Code PIN followed by the 3-digit ID number of the Zone concerned then press ESC. For example, if the PIN is 135790 and you want to Bypass Zone 23, type in 135790 023 then press ESC.*

■ **Event Log**
This command will allow you to view and print the events in the Event Log. The Control panel Event log can store up to 10,000 events. The events will be stored in chronological order —starting from the most recent.
Each event shows the following details:
➢**Ev.** (Event number)
➢**TYPE** (e.g. Zone Alarm, Invalid Code, etc.)
➢**IDENT** (e.g. Zone number, Partition, etc.)
➢**AGENT** (e.g. Keypad, Reader, etc.)
➢**ID.AGEN** (e.g. User code, Card/Key, etc.)
➢**TIME** (Time and Date of the event)

The display will show the following message:

```
EVENT LOGGER
From Last ...
```

To view all Events

Press the [#] key to view all the Events in the Log—starting from the most recent (from last . .).
Use [C] and [D] to scroll the Events.
Press [B] to view the Event details (see above).

To view Events from a specific Date

```
 EVENT LOGGER
starting from..
```

Using C or D scroll for the following message:
Press the key, the display will show the Date prompt.

```
Starting from..
10/09/2006
```

Enter **all** the digits of the required Date (DD/MM/YYYY), then press the key.
Use C and D to scroll the Events.
Press B to view the Event details (see above).

```
Ev.00015 TYPE
Valid code
```

☞ *The display will show the relevant details for each Event. For example, Tamper Events show the TYPE and TIME only.*

To print Events from a specific Date

Using C or D scroll for the following message:

```
EVENT LOGGER
print from..
```

Press the key, the display will show the Date prompt.

```
Starting from...
10/09/2005
```

Enter **all** the digits of the required Date (DD/MM/YYYY), then press the key.
The Keypad will exit the USER MENU, and the Printer will print the Events starting from the entered date to the most recent.

☞ *This facility is provided by the optional K3-PRT Printer Interface (ask your Installer for details).*

The Event Log

The Event log is set up as follows:
- the Event number (**Ev.**) is shown on the left side of the first line;
- the Event details (**TYPE**, **IDENT.**, **USER**, **USER ID**, **TIME**) are shown on the second line.

```
Ev.00015  TYPE
Valid code
```

Using the Event Log:
- Use C and D to scroll the Events.
- Press B to view the Event details (see above).
- Press the e to step back to the **Event Log** menu.

☞ *The display will show the relevant details for each Event. For example, Tamper Events show the TYPE and TIME only.*

■ **Enable/Disable Auto-arm**
Your Installer may have set up Partitions to turn ON/OFF at preset times. This command will allow you to turn the **Scheduler** ON/OFF, and Enable/Disable automatic ON/OFF control.
Use C and D to scroll the Partitions, and the ON and OFF keys to Enable/Disable the Scheduler.

```
Partition    001
Scheduler OFF
```

Press the key to step back to the User menu.

■ **Teleservice request**
If your Installer has set up this facility, this command will allow you to request on-line assistance (maintenance that does not require components or wiring). Teleservice requests will be confirmed by the following message:

```
USER MENU
   done!
```

The Teleservice request will stop any ongoing Telephone calls (Teleservice requests from the User have priority over other call types), and will send the Teleservice call (or calls) to the Installer telephone number (or numbers).

■ **Enable/Disable Teleservice**
This command will allow you to Enable/Disable the Control panel to receive Teleservice calls. The command will be confirmed by the following message:

```
En./Dis teleser.
Teleser. OFF
```

Press ON to **allow** the Control panel to receive Teleservice calls.
Press OFF **to prevent** the Control panel from receiving Teleservice calls.
Press the key to confirm and step back to the User menu.
If Teleservice is disabled (OFF), the Control panel will not accept incoming Teleservice calls, therefore, on-line installer assistance will not be possible.
If Teleservice is enabled (ON), the Installer will be able to:
- **View the Control panel status** — Partition status; Alarm memory, Bypassed zones, Zone status, Event logger, Peripheral device status, etc.
- **Change the Control panel status** — Change Partition status, Clear the Alarm memory and Bypass zones (active User Code required).
- **Change the Control panel parameters** — if all the partitions are disarmed and the Partition Patrol Times are not active.

The Teleservice facility allows the Installer to check and work on the Control panel from a remote computer, and carry out maintenance work that does not require new wiring or components.

☞ *An ✻ will be shown on the display directly above the when the Teleservice facility is enabled.*

■ Enable/Disable Answering device

This command will allow you to turn ON/OFF the Answering device. If the Answering device is ON, the Control panel will answer incoming calls with a Voice message. This facility is provided by the **K3-VOX2** Voice board (accessory item).

The Answering device can function even if the **K3-VOX2** Voice board is absent, but in this case there aren't voice messages. When you select this command, the display will show the following message:

```
En./Dis.Ans.Dev.
Answer dev.  OFF
```

Press ON to **Enable** the Answering device facility.
Press OFF to **Disable** the Answering device facility.
Press the key to confirm and step back to the User menu.

☞ *If the Answering device facility is enabled, an ✻ will be shown on the display directly above the .*

■ Activating Outputs (Turning ON/OFF Appliances)

If your Installer has set up your system to control appliances (sprinklers, lights, etc.), this command will allow you to turn the appliances ON/OFF manually.

To turn ON/OFF Outputs (appliances):

1. Use C and D to scroll the list.

```
Output n.  001
Output      001
```

2. Press the key to select the required Output (appliance). The display will show the current status.

```
Output      001
INACTIVE
```

3. Press ON or OFF, as required.
Use C and D to continue scrolling the list.
4.Press the ESC key twice to confirm and step back to the User menu.

■ Clear call queue

If your Installer has programmed your Control panel to send Alarm calls, it will call the programmed telephone numbers each time an Alarm occurs. In the event of a False Alarm, this command will allow you to interrupt the ongoing call, and clear the call queue.

If you select this command the display will show the following message:

```
CLEAR CALL QUEUE
 Confirm?
```

To confirm the Command

Press the key.
The display will show the following message for several seconds before stepping back to the User menu:

```
CLEAR CALL QUEUE
    done!
```

To Abort the Command

Press the ESC key to step back to the User menu.

■ Overtime request

If the Auto-arm option is enabled, and the system is programmed to Arm automatically at a preset time, the Overtime request will allow you to delay the Auto-arming event.

Acceptance of the Overtime Request will be confirmed by an audible feed back signal and the following message:

```
OVERTIME REQUEST
  done!
```

☞ *If any of the Partitions concerned is unable to implement the Overtime request, the Keypad will emit an audible error signal.*

The Installer will set up the Auto-arm and Overtime Request events with your installation in mind, and will provide you with all the necessary information (regarding the partitions involved, and the number of Overtime requests you can make before an Auto-arm event).

■ Change Time and Date

This command will allow you to set the current Date and Time.

☞ *You cannot change the Time and Date when Partitions are Armed.*

1. Using C or D select NEW TIME - DATE, then press .

```
NEW TIME - DATE
11:48 02/08/2002
```

2. Enter the New Time and Date, then press to confirm and go to the next step (Date format), or ESC to quit and step back to the USER MENU.

☞ *The New Time and Date field will not allow you to change the digits individually, therefore, you must enter the entire Time and Date. If you press before completion, the setting will be deleted.*

```
Date format
hh:mm dd/mm/yyyy
```

3. Using C or D select Date format:
hh:mm dd/mm/yyyy
hh:mm mm/gg/yyyy
hh:mm yyyy/mm/dd
then press ESC to confirm and go back to step 2.

■ **Change Telephone numbers**
This command will allow you to change the first eight Telephone numbers in the Phonebook.
To program or change the Telephone numbers:

1. Using [C] and [D] scroll the 8 Telephone numbers.

```
Change tel. num.
Telephone n. 001
```

2. Press [#] to select the number to be programmed or changed.
The display will show the current Telephone number, or an empty programming field (the first digit will blink to indicate that it is ready for programming).

```
Telephone n. 002
0735556666
```

3. Using keys [1] through [9], enter the telephone number.
— [OFF] corresponds to the pound sign (#);
— [ON] corresponds to pauses (*);
— [A] and [B] will allow you to move the cursor along the line and overwrite wrong digits.
To delete the entire Telephone number, press and hold [1] until the keypad emits a beep.

4.Press the [ESC] key to go back to step **1**.

■ **Reset PC programming**
When the system is programmed from a computer (on-site or via Modem) or a Keypad, the **Control panel** will trigger the **Programming Start** event.
The Control panel classifies this event as a Trouble condition, therefore, it will be signalled on the ⚠ LED.
To view this Trouble condition, you must access *View Trouble* mode, the display will show the following message:

```
Current trouble:
Start program.
```

To clear this Trouble condition—select the **Reset PC Prog.** option from the User menu and press the [#] key, the display will show the following message for several seconds and the ⚠ LED will turn OFF (unless there are other Trouble conditions present).

```
USER MENU
 done!
```

■ **Programming PIN codes**
If your Installer has set up the User Code hierarchy (*Master* and *Slave* Codes).
This command will allow **Master Codes** to select/deselect the **Active** status of their *Slave* Codes (Enable/Disable *Slave* Codes), and change their *Slave* Code PINs.

☞ *This command is available to **Master Codes only**.*

Active *Slave* Codes can access the system and control their enabled Partitions and functions.
To allow/deny system access to a *Slave* Code:
1. Use [C] and [D] to scroll the *Slave* Codes list (accessed by the *Master* Code).

```
Code n.   001
Code       001
```

2. Press the [#] key to select the required Code.

```
Code      001
Active
```

3. Press the [ON] key to select **Active** status, or [OFF] to deselect **Active** status, as required.

☞ *A Code can be both a Master and a Slave (i.e. Slave of one Code, and Master of another). A Master Code cannot deselect the Active status of a Slave Code that is Master of another Slave Code.*

To change the PIN of a *Slave* Code:

1. Use [C] and [D] to scroll the list of *Slave* Codes (accessed by the *Master* Code).

```
Code      n. 001
Code         001
```

2. Press the [#] key to select the required Code.

```
Code      001
Active
```

3. Press the [#] key again, the display will show the following message:

```
Enter new PIN
PIN  ******
```

4. Enter the new **PIN** (4 to 6 digits) **—** * will replace X as you enter the new digits.
5. Press the [#] key, the display will show the following message:

```
Repeat new PIN
PIN  ******
```

In the example above, two digits have been entered.
6. Enter the new **PIN** again, the press the [#] key to confirm and go back to step 1.
If necessary, press the [ESC]: key to abandon the procedure and go back to step 1.

☞ *You cannot assign the default PIN of one code to another Code (refer to Table 9).*

If you attempt to assign the default PIN of one Code to another Code, the display will show the following message:

```
Repeat new  PIN
Invalid code!
```

☞ *You cannot assign a PIN that already exists on the system.*

If you attempt to assign a PIN that has already been assigned to another Code, the display will show the following message:

```
Repeat new  PIN
Duplicated  PIN!
```

This message indicates that the PIN already exists on the system, therefore, the Control panel will consider the Code to be "Disclosed" and, for security reasons, will automatically restore the default PIN of the Code concerned.

If a User attempts to access the system using a "Disclosed" PIN, the display will show the following message:

```
17:05 26/08/2002
Disclosed_PIN!
```

Disclosed" PINs (at default) must be reprogrammed (refer to Table 7).

"Disclosed" PINs will be signalled by:
- the ⚠ LED (ON) on the Keypad
- the `Disclosed PIN!` message in **View Trouble** mode
- the Event details in the Logger

TYPE = Disclosed PIN
IDENT. = the Keypad used
TIME = Time and Date of the Event
The Trouble status will clear when a New PIN (other than the default PIN) is assigned to the Code with "Disclosed" PIN status.

■ **Memo**
This command will allow you to record and play voice memos. This command must be enabled on Installer Menu-Program Panel-Configuration-Keypad-Memo.

```
USER MENU
Memo
```

Press ▯:

```
Memo
Record messa9e
```

☞ *This option must be duly programmed by the Installer, (Message n.63 only- Quality and Length must be programmed on Installer Menu-Program Panel-Voice Messages) otherwise it will not be available on the Keypad.*

To record voice memos

1. Press ▯ to start recording.

```
Memo
RemainingSec.030
```

The numbers on the second line of the display will indicate the remaining seconds before the end of message. The Green 🗣 LED on the Keypad will turn ON to indicate that there is a new memo.

To play voice memos

1.Press C or D to display **Play message**:

```
Memo
Play messa9e
```

2. Press ▯ to play the voice memo:

```
Memo
RemainingSec.030
```

The numbers on the second line of the display will indicate the remaining seconds before the end of message. The Green 🗣 LED on the Keypad will turn OFF to indicate that there are no unplayed memos.

☞ *You cannot record a new message until the current message has been played.*

■ **Disable buzzer**
If the Keypad buzzer is Enabled, it will signal the **Entry** and **Exit Times**, and **Violation on Chime zones**. This command will allow you to Disable these audible signals.
When you select this command the display will show the following message:

```
Disable  buzzer
Buzzer OFF
```

Press OFF to Disable the buzzer.
Press 1 to Enable the buzzer with low volume.
Press 2abc to Enable the buzzer with high volume.

Press the ▯ key to step back to the User menu.

☞ *This command will not Disable the audible feed back signal sounded by the keys (Mia-D and Mia-S ONLY). To increase/decrease Buzzer volume press ESC key for Alison series keypad ONLY) .*

■ **Test Siren**
This command will allow you to Test the proper working order of the Alarm signalling devices. If you select this command the Control panel will activate the devices, and the display will show the following message:

```
Test Siren
    done!
```

■ **Test Keypad**
This command will allow you to Test the proper working order of the display, LEDs and Keypad. If you select this command the display will show the following message:

```
USER MENU
Test keypad
```

1. Press [ENT]:

```
ABCDEFGHIJKLMNOP
ABCDEFGHIJKLMNOP
```

If the display is working properly, it will show letters A to P on both lines.
If the 👁, 🔔, ⚠ and 🔊 indicator LEDs are working properly, they will blink for several seconds.
If the buzzer is working properly, it will sound three times.

■ **Continuous recording**
This command will allow you to record sounds picked up by the system microphones, during and after Alarm and generic events.

To playback sound recording:

1. Use [C] or [D] to scroll for the **Cont. rec. ack** option.

☞ *This command cannot be selected until one of the Events, programmed by the Installer, occurs.*

```
Continuous rec.
Cont.rec.ack
```

2. Press [ENT] to start the sound recording playback

```
Continuous rec.
Remaining Sec.030
```

The second line of the display will show the elapsing timeout. When the remaining seconds go to zero the Continuous Recording elapses.

To reset this command:

1. Use [C] or [D] to scroll for **Cont.rec. reset**:

```
Continuous rec.
Cont.rec. reset
```

2. Press [ENT] to reset the Continuous Recording facility, and step back to the User menu.

■ **Enable/Disable Timers**
This Control panel manages up to 64 Timers for control of the ON/OFF Times of electrical appliances (Heating systems, Garden sprinklers, Courtesy lights, etc.), and Enabled Times of the system objects (Outputs, Codes, Keys, Cards, etc.). Ask your Installer for details. The **En/Dis Timer** option will allow you to Enable/Disable the Timers, as follows:

1. Use [C] or [D] to scroll for the **Timer** concerned.

```
Timer      001
Timer ON
```

2. Press [ON] to Enable, or [OFF] to Disable the Timer.
3. Press [ENT] to confirm and go back to the User menu.

■ **Enable/Disable Key**
The **En/Dis Key** option will allow you to Enable/Disable the Keys, as follows:
1. Use [C] or [D] to scroll for the **Key** concerned, or enter its ID Number.

```
Key        001
Key  ON
```

2. Press [ON] to Enable, or [OFF] to Disable the Key.
3. Press [ENT] to confirm and go back to the User menu.

☞ ***NOTE:*** *A Key can be Enabled/Disabled ONLY by Codes which operate the Partitions it is assigned to.*

View Trouble Mode (Alison/32LP LED Keypads ONLY)([ENT])

Alison/32LP LED Keypads will signal system trouble on the amber ⚠ LED (ON). If this occurs, press [ENT] to access **View Trouble Mode** (LEDs 🔧 and ⊗ will blink).
Missing Wireless Zones (▮ LED blinking) will be signalled immediately on their respective Zone LEDs (ON).
Press [3 def] to view **Low Battery on Wireless zone**s (🔋 LED blinking).
Press [2 abc] to review **Missing Wireless Zones**.

Operating the system from an ALISON/32LP LED Keypad(<*Code*> [ENT])

To access the *Programming phase* from standby status:
1. Enter your Code PIN, then press ENTER.

Code PIN + **ENTER**

2. The amber LED on the Keypad concerned (indicated by the 🔧 icon will blink.

☞ *You can access the Programming phase when the system is Armed or Disarmed.*

The 32 LEDs will not signal the status of the Partitions during the *Programming phase* .
To exit the *Programming phase*, press [ESC].
If you do not press a key within 30 seconds, the keypad will revert automatically to standby status.

☞ *Several Users can access the Programming phase at the same time from different Keypads. Invalid operations will be signalled by an audible error signal.*

ALISON/32LP LED Keypads will accept the following commands:

- ❒ **Reset Alarms**
- ❒ **Enable/Disable auto-arm**
- ❒ **Enable/Disable Teleservice**
- ❒ **Overtime request**
- ❒ **Teleservice request**
- ❒ **Enable/Disable Buzzer**
- ❒ **Test Siren**
- ❒ **Enable/Disable Answering device**
- ❒ **Clear Call Queue**

☞ *Your Installer has programmed your Control panel with your requirements in mind, therefore, some of the options mentioned may not be available.*

Only the first Code (ID no. 001 — PIN **0001**) is **Active** at default.

☞ *The operations will affect ONLY the Zones and Partitions common to the User and Keypad concerned, as per the configuration set up during the Programming phase.*

The following section describes the commands which can be implemented.

■ **Reset Alarms**
To Reset Alarms (refer to page 9), proceed as follows.
1. Access the *Programming phase* (see above).
2. Press 0 to Reset Alarms.

■ **Enable/Disable auto-arm**
To toggle the status of the Partition Schedulers, common to the User and Keypad concerned (refer to page 11), proceed as follows.
1. Access the *Programming phase* (see above).
2. Press 1.

■ **Enable/Disable Teleservice**
To Enable/Disable the Teleservice facility (refer to page 11), proceed as follows.
1. Access the *Programming phase*.
2. Press 2abc.

LED 2 on the Keypad will turn ON/OFF to indicate respectively the Enabled/Disabled status of the Teleservice facility.

■ **Overtime Request**
To make 'Overtime Requests' (refer to page 12), proceed as follows.
1. Access the *Programming phase*.
2. Press 3def.

The command will be implemented immediately.

■ **Teleservice Request**
To make 'Teleservice Requests' (refer to page 11), proceed as follows.
1. Access the *Programming phase*.
2. Press 4ghi.

The command will be implemented immediately.

■ **Enable/Disable Buzzer**
To Enable/Disable the Buzzer (refer to page 15), proceed as follows.
1. Access the *Programming phase*.
2. Press 5jkl.

LED 5 on the Keypad will turn ON/OFF to indicate respectively the Enabled/Disabled status of the buzzer.

☞ *To increase/decrease Buzzer volume press ESC key .*

■ **Test Siren**
To activate Output 1 for 3 seconds (refer to page 15), proceed as follows.
1. Access the *Programming phase*.
2. Press 7pqrs.

The command will be implemented immediately.

■ **Enable/Disable Answering device function**
To Enable/Disable the Answering device function (refer to page 11), proceed as follows.
1. Access the *Programming phase*.
2. Press 9wxyz.

LED 9 on the Keypad will turn ON/OFF to indicate respectively the Enabled/Disabled status of the Answering device function.

■ **Clear Call Queue**
To Clear the Call Queue (refer to page 12), proceed as follows.
1. Access the *Programming phase*.
2. Press *ON.

The command will be implemented immediately.

☞ *Keys 6mno and 8tuv are not used for User Menu operations.*

The Digital Keys/Cards will allow you to perform all the basic operations from enabled Readers.

Readers

Readers have 3 System status LEDs (Red, Green and Amber).

☞ *Readers can also be used to signal three specific events. Ask your Installer for details.*

This Control panel manages:

- **ECLIPSE Readers** (see Figure 3b) - These devices accept commands from SAT Keys (Key must inserted into the key slot on the Reader).
- **PROXI Proximity Readers** (see Figure 3d) - These devices accept commands from Digital Keys and PROXI-CARDS (the Card/Key must be held near the **sensitive field** of the Reader).
- **Alison/32LP** LED Keypads (see Fig. 3e) - These Keypads have built in **Proximity Readers** Readers and accept commands from Digital Keys and PROXI-CARDS (the Card/Key must be held near the **sensitive field** of the Reader).
- **Alison-DVP** LCD Keypads (see Fig. 3f) - These Keypads have built in **Proximity Readers** Readers and accept commands from Digital Keys and PROXI-CARDS (the Card/Key must be held near the **sensitive field** of the Reader).

KYO 320 manages up to 32 Readers. This Control panel supports up to 32 Readers. The Installer will program the following parameters for each Reader:

- The Partitions the Reader can control (Reader Partitions)
- A Mode Arming (AMBER)
- B Mode Arming (GREEN)

Digital Keys/Cards

This Control panel can manage:

- **SAT Keys** (see Figure 3a) - These work with **ECLIPSE** and **PROXI** Readers.
- **PROXI-CARDS** (see Figure 3c) - These work with **PROXI** Readers only.

The section describes how to operate your system from a Key/Card Reader. Each Key/Card has a random code — selected from over 4 billion combinations.

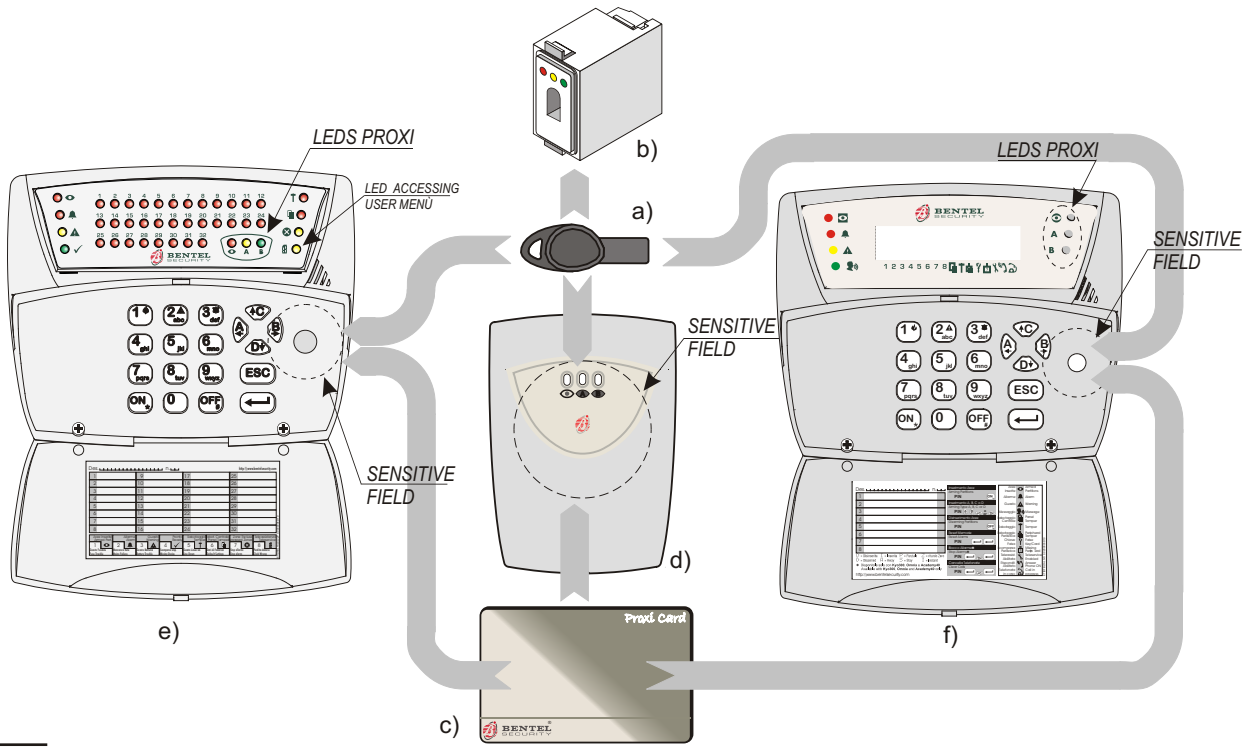


Figure 3 *a) SAT Digital key, b) ECLIPSE key reader, c) PROXI-CARD, d) PROXI reader, e) ALISON/32LP keypad, f) Alison-DVP keypad.*

Your Installer can assign an Identifier Number and Description to up to 500 Keys/Cards. The number will be recorded in the Event Logger each time the Key/Card operates on the System. The Digital Keys/Cards can be programmed to operate on specific Partitions.

☞ *In this Manual, the word Reader refers to ECLIPSE and PROXI Readers.*

The Reader LEDs

The ECLIPSE Key and PROXI Card Readers simplify system control by replacing User Code PINs with high Security Digital Keys or Cards. The Readers have 3 LEDs, this section describes how the LEDs will signal the System status.

■ **No Key/Card at Reader**
When no Digital Key/Card is present at the Reader, the LEDs will signal as shown in Table 6.
The Partitions that are not controlled by the Reader will not affect the LEDs. If the configuration of the Armed Partitions does not match either A or B Mode Arming (for example, one of the Reader Partitions has been Armed via Keypad), neither the Amber nor Green LED will turn ON.

☞ *The Installer can program the Reader LEDs to signal the System status at all times, or alternatively, only in response to a Valid Key/Card (LEDs OFF when no Key/Card is present).*

■ **Key/Card at Reader**
When a Key/Card is present at the Reader, the LEDs will signal as follows.

a) Fast Blinking on 1 LED - Before Arming the Partitions, the Control panel will check the status of the Unbypassed (ON) and Instant Zones. If a Zone is 'Violated' (e.g. door or window open), the LED, associated with the selected Arming Mode, will blink quickly. If this occurs, DO NOT ARM the System, as Arming will trigger a False Alarm.

☞ *It takes the Control panel about 2 seconds to check all the Zones.*

☞ *False Alarms can be stopped by simply Disarming the system (refer to "Digital Key/Card Reader operations" in this section). If you accidentally trigger an Alarm, call the Central Station to prevent the operator from taking unnecessary action.*

☞ *If, when you Arm the system, the Control panel detects **Autobypassable** zones in Alarm status, it will bypass them automatically. In this way, false Alarms will not be triggered, however, Bypassed zones will be UnBypassed automatically when their Partitions are next disarmed.*

b) Fast Blinking on all 3 LEDs - This will occur when a False Key/Card is present at the Reader.

c) Slow Blinking on all 3 LEDs (ECLIPSE Readers only) - This Mode will allow you to restore the previous setting (reset the Arming Mode that was active before the SAT Key was inserted. To Reset: push the SAT Key into the ECLIPSE Reader until the 3 LEDs start to blink slowly, the previous setting will be restored when you remove the Key.

d) Red LED ON - The System will Arm when you remove the Key/Card from the Reader.

e) Amber LED ON - The System will Arm in A Mode when you remove the Key/Card from the Reader.

f) Green LED ON - The System will Arm in B Mode when you remove the Key/Card from the Reader.

☞ *Your Installer may have Disabled the Reader LEDs, therefore, they will not turn ON even when a valid Key/Card is used.*

TABLE 6 - LED Status with no Key/Card at Reader

LED	Status	Meaning
RED	**OFF**	*All of the Reader Partitions are Disarmed*
	ON	*At least one of the Reader Partitions is Armed*
	Slow Blinking	*At least one Alarm or Tamper event has been detected on one of the Reader Partitions and ALL the Reader Partitions are Disarmed*
	Fast Blinking	*At least one Alarm or Tamper event has been detected on one of the Reader Partitions and AT LEAST ONE of the Reader Partitions is Armed*
YELLOW	**ON**	*The Reader Partitions are Armed in **A** Mode*
	OFF	*The Armed/Disarmed status of the Reader Partitions does not match **A** Mode*
GREEN	**ON**	*The Reader Partitions are Armed in **B** Mode*
	OFF	*The Armed/Disarmed status of the Reader Partitions does not match **B** Mode*

Multiple Systems

The Digital Keys/Cards can be programmed (by the Installer) to operate on more than one System, and to manage different Partitions on each System.

Digital Key/Card operations

The Digital Keys/Cards can:
- **Arm — Global Mode**
- **Disarm**
- **Arm — A Mode**
- **Arm — B Mode**
- **Stop Alarms**
- **Arm/Disarm Patrol**

☞ *Your Installer may have programmed some "restricted" Digital Keys/Cards. These Keys/Cards will be allowed to perform a maximum number of operations (from 1 to 254) after which, they will be Disabled automatically. Disabled "restricted" Digital Keys/Cards can be re-enabled and refreshed with the same number of operations via the User Menu (refer to Enable/Disable Key/Card).*

■ **Disarm (Turning OFF your system)**
This operation will Disarm all the Partitions common to both the Digital Key/Card and Reader in use.
To Disarm the System (all LEDs OFF):

1. Insert the SAT Key into the ECLIPSE Reader, or hold the proximity Key/Card near the sensitive field of the PROXI Reader — until all the LEDs turn OFF (see Figure 4a).

2. Remove the Key/Card to Disarm the System.

■ **Arm — Global Mode (Turning ON your system)**
This operation will Arm all the Partitions common to both the Digital Key/Card and Reader in use.

To Arm the System in **Global Mode** (Red LED ON):

1. Insert the SAT Key into the ECLIPSE Reader, or hold the proximity Key/Card near the sensitive field of the PROXI Reader — until the Red LED turns ON (see Figure 4b).

2. Remove the Key/Card to Arm the System in Global Mode.

■ **Arm — A Mode**
This operation will Arm or Disarm the Partitions in accordance with the **A Mode** Arming configuration (programmed by the Installer).
To Arm the System in **A Mode** (Amber LED ON):
From ECLIPSE Readers

1a. From Disarmed status (Red LED OFF): insert the SAT Key into the ECLIPSE Reader — the Red LED will turn ON (see Figure 4b).

2a. Push the Key once against the switch inside the Reader. The Red LED will turn OFF and the Amber LED will turn ON (see Figure 4c).

3a. Remove the Key. As you remove the Key the Red LED will turn ON and the System will Arm in **A Mode**.

From PROXI Readers

1b. Hold the Proximity Key/Card near the sensitive field of the PROXI Reader. The LEDs will light in turn (at 2 second intervals).

2b. Remove the Key/Card when the Amber LED turns ON. At this point, the Red LED will also turn ON and the System will Arm in **A Mode**.

■ **Arm — B Mode**
This operation will Arm or Disarm the Partitions in accordance with the **B Mode** Arming configuration (programmed by the Installer).
To Arm the System in **B Mode** (Green LED ON):

From ECLIPSE readers

1a. From Disarmed status (Red LED OFF): insert the SAT Key into the ECLIPSE Reader — the Red LED will turn ON (see Figure 4b).

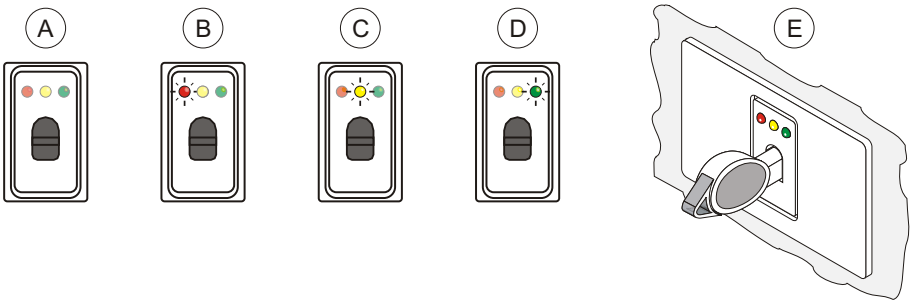


Figura 4 *Disarm/Arm/Stop Alarms from ECLIPSE reader.*

2a. Push the Key twice against the switch inside the Reader. The Green LED will turn ON (see Figure 4d).

3a. Remove the Key. As you remove the Key the Red LED will also turn ON and the System will Arm in **B Mode**.

From PROXI Readers

1b. Hold the Proximity Key/Card near the sensitive field of the PROXI Reader. The LEDs will light in turn (at 2 second intervals).

2b. Remove the Key/Card when the Green LED turns ON. At this point, the Red LED will also turn ON and the System will Arm in **B Mode**.

■ **Stop Alarms (for ECLIPSE Readers ONLY)**
To Stop Alarms: insert a SAT Key into an ECLIPSE Reader (see Figure 4e).
The outcome of this operation depends on how the Installer has programmed the SAT Key.
If the SAT Key has been duly programmed, this operation can:

Stop Partition Alarms generated by Partitions common to the SAT Key and ECLIPSE Reader in use, and/or
Stop Control panel Alarms and/or
Clear the Call Queue (end the ongoing call, and inhibit further Alarm calls).
When the SAT Key is inserted into the Reader, the Red LED will switch status, and the Amber and Green LEDs will turn OFF.

☞ *To restore the setting (reset the Arm Mode that was active before the SAT Key was inserted) — push the SAT Key into the ECLIPSE Reader until the 3 LEDs start to blink slowly, the previous setting will be restored when the Key is removed.*

■ **Arm/Disarm Patrol**
Digital Keys/Cards with this attribute can Arm/Disarm the system during the programmed Patrol Time.

The Wireless Key

If your system is equipped with a Vector/RX Wireless Receiver, it will be possible to control all the main functions from remote locations by means of Wireless Keys (see Figure 5). This section describes the functions that can be controlled by Wireless Keys.

☞ *The operations performed by Wireless Keys will not be confirmed by any type of feed back signal (audible or visual), unless done in the vicinity of a Reader or a Keypad, or a device that has been especially set up to provide feed back signals.*

■ **Global Mode**
Press the button until the LED turns ON (see Fig. 5), to **Arm all the Partitions** of the Wireless Key(KeyFob) in use.

■ **Stay Mode**
Press the button until the LED turns ON (see Fig. 5), to **Arm all the Partitions** of the Wireless Key (KeyFob) in use in Stay Mode (A Type- Amber arming) .

■ **Disarm**
Press the button until the LED turns ON (see Fig. 5), to **Disarm all the Partitions** of the Wireless Key (KeyFob) in use.

■ **Other functions**
Press the key until the LED turns ON (see Fig. 5), to activate the special functions programmed for the Wireless Key (KeyFob) in use (example: B Type- Green arming or Superkey or both).

■ **Low Battery**
If any of the Wireless Key batteries starts to run low, the ⚠ LED on the Keypads will Turn ON.

☞ *All the system Trouble conditions are signalled by the ⚠ LED. Therefore, if this LED turns ON, you must access the **View Trouble** Mode for details.*

The Low Wireless Battery condition will be signalled in **View Trouble** Mode by the [Low_battery_WLS] message (refer to “View Trouble Mode” under “Basic Commands” in the “OPERATING YOUR SYSTEM FROM A KEYPAD” section).
The Event Logger (*refer to the* **IDENT** *field of the event* **TYPE** [Battery_low_____]) will provide the details of the Wireless key that has triggered the Low battery condition (refer to “Event Logger” under “Accessing the User menu” in the “OPERATING YOUR SYSTEM FROM A KEYPAD" section).

Call your installer and have the battery replaced.

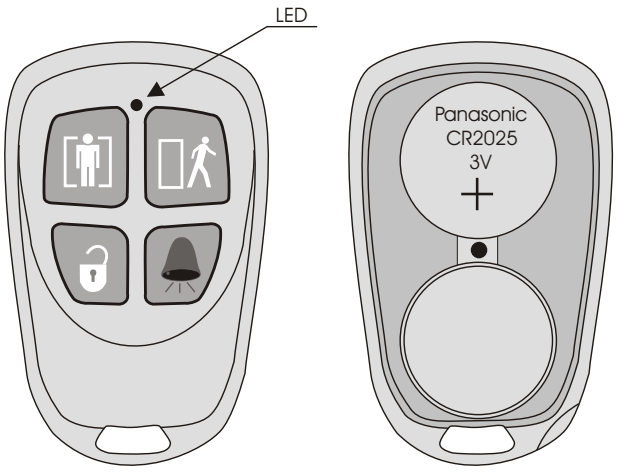


Figure 5 *Wireless key*

OPERATING THE SYSTEM FROM A TELEPHONE

If your system has a **K3-VOX2** Voice board (accessory item), and your Installer has duly enabled the User Codes, you will be able to control your system via any touch-phone. KYO 320 manages up to 64 Telephone Access User Codes. Each Code can be programmed to control specific functions and Partitions.
You can access the system over the phone:

- after receiving a call from the Control panel;
- after calling the Control panel and activating the Answering device facility.

Remote Access via 'Dialler' mode

If your installer has duly set up your Control panel, the Dialler will send voice messages to the programmed telephone numbers when Alarm conditions are detected (this Control panel manages up to 32 Telephone Numbers). If you receive a Dialler call, you will be able to access your system during the call by entering your **Access Code** on the telephone keypad. You can enter your **Access Code** while the message is playing, or during the pauses between message announcements.

☞ *If the **Confirm successful calls** option is Enabled, you must press the * key (Star) while the voice message is still running, otherwise the Control panel will consider the call "Unsuccessful", and will carry out the programmed Actions.*

Remote Access via 'Answer' mode

If your installer has duly set up your Control panels to answer incoming calls, you will be able to access your system via the 'Answering device' facility.

☞ *The Answering function must be Enabled, otherwise, you will be unable to access your system via remote telephone. DO NOT use a telephone with a redial button to Arm or Disarm your system, as this may put your system security at risk.*

If you are accessing your system via the 'Answering device' facility, two conditions are possible:

- Teleservice Enabled
- Teleservice Disabled.

■ Teleservice Enabled
If the 'Answer' and 'Teleservice' facility are both Enabled, your system will answer your call after the programmed number of rings. It will emit a high-pitch audible signal (beep), wait approximately 4 seconds then will play the Answer message. At this point, you can enter your PIN and send the required commands over the phone.

■ Teleservice Disabled
If the 'Teleservice' facility is Disabled, your system will answer your call after the programmed number of rings. It will emit a low-pitch audible signal then will play the Answer message. At this point, you can enter your PIN and send the required commands over the phone.

Typing-in your User Code PIN

You can type-in your PIN while the message is playing, or during the pauses between message announcements, regardless of the Telephone Access mode (Dialler or Answer Mode).
To type-in your **PIN**:
1. Press the # key (for the control panel revision 2.03 or higher),
2. enter your PIN,
3. press the # key.

If your system recognizes your code, it will emit an audible feed back signal (short high-pitched beep), and will accept commands.
If your system DOES NOT recognize your code, it will emit an audible error signal (buzz).
The system will end the call automatically, if no valid code is entered within 30 seconds (at default). This interval can be customized from 1 to 254 seconds.
If necessary, press # to delete wrong digits and restart.

Entering Commands

Once your PIN has been recognized, you can enter the Command Codes. If you enter a wrong Code, the system will emit an audible error signal (buzz).
If you enter a valid Code, the system will emit an audible confirmation signal (beep).

☞ *The system will end the call automatically, if no Key is pressed within 2 minutes.*

 # Cancel Command

Press # to cancel the Command, and step back to the Enter data phase.
Press # to delete wrong digits: the system will emit an audible feed back signal (2 beeps) to confirm that the data has been deleted.

[*] Stop Alarm / On Hook

If you are accessing your system via 'Answering device' mode, press [*] to end the call.
If you are accessing your system via 'Dialler' mode (after receiving an Alarm message), press [*] to interrupt the ongoing Alarm, and clear the call queue.

[1] Remote Talk / Listen-in (With K3/VOX2 only).

■ Press [1] to start the Remote **Listen-in** session, via the system microphones (if installed).

■ Press [1] again to start the **One-way Talk** session, via the system speakers (if installed).

☞ *If required, press [1] to switch from **One-way Talk** to **Listen-in** mode, and vice versa. The **One-way Talk** and **Listen-in** modes cannot be active at the same time.*

■ Press [2] to start the **Two-way Talk/ Listen-in** session, via the system microphones and speakers (if installed).
This feature will allow you to listen in on the protected premises and talk to whoever is present.
Two-way Talk/ Listen-in sessions can also be activated by Panic Pendants thus making this feature extremely useful in Emergency situations involving the elderly or disabled.

☞ *If you press [1] during the **Two-way Talk** session, the Control panel will switch to **Listen-in** mode.*

☞ *If the sound quality of the **Two-way Talk** session is poor, use the **One-way Talk** and **Listen-in** modes (press [1]).*

[2] Zone status / Arm Partitions
This command will allow you to check on the Standby/Alarm status of the Zone, and the Armed/Disarmed status of the Partitions.

☞ *The zone or Partition Identifier number **must always be entered with 3 digits** (if necessary enter a [0] before the number).*

1. Press [2] to access the Zone status/Arm Partitions phase.

2. Press [1] to access Zone status, or press [2] to access the Partition status.

Zone status (from step 2)

3a. Enter the Identifier number of the required zone.

If the zone is associated with a voice message, the zone status will be indicated by the message.

If the zone is not associated with a voice message, its status will be signalled by:

1 beep = zone in standby
2 beeps = zone in Alarm or Tamper status.
After the status message or audible signal, the system will go back to step 1.

Arm/Disarm Partitions (from step 2)

3b. Enter the Identifier number of the required Partition.

The current status of the Partition status will be indicated by:

1 beep = Partition Disarmed
2 beeps = Partition Armed
After the audible signal, the system will go back to step **1.**

[3] Turn Reserved Outputs ON/OFF

This command will allow you to control (turn ON/OFF) the appliances (Sprinkler system, Courtesy lights, etc.) connected to the **Reserved** Outputs.

☞ *The Output Identifier number **must always be entered with 3 digits** (if necessary enter a [0] before the number).*

1. Press [3] to access **Output control**.

2. Press [1] to turn ON, or [0] to turn OFF the appliance connected to the Reserved Output.

3. Enter the Identifier number of the relevant Output. The appliance will turn ON/OFF immediately, and the system will go back to step **1.**

[4] Structured Arming

This command will allow you to Arm or Disarm the system in different modes, in accordance with programming.

1. Press [4] to access **Structured Arming**.

2. Press [1] to **Arm** all the entered User Code Partitions in **Away** Mode).

3. Press [2] to **Disarm** all the entered User Code Partitions.

4. Press either [3], [4], [5] or [6] to Arm all the entered User Code Partitions in **A**, **B**, **C** or **D** Mode respectively. The Partitions will Arm/Disarm immediately, and the system will go back to step **1.**

[5] Arm/Disarm Single Partitions

This command will allow you to Arm/Disarm the Partitions individually.

☞ *The Partition Identifier number **must always be entered with 2 digits** (if necessary enter a [0] before the number).*

1. Press [5] to access **Arm/Disarm Single Partitions**.

2. Press [1] to Arm, or [0] to Disarm the Partition.

3. Enter the Identifier number of the Partition.

The Partition will turn Arm/Disarm immediately, and the system will go back to step **1**.

[6] **Enable/Disable Teleservice**

This command will allow you to Enable/Disable the Teleservice facility

This is a toggle command:
- if Teleservice is **ENABLED**, it will be **DISABLED**: the executed command will be confirmed by an audible feed back signal (low-pitched sound);
- if Teleservice is **DISABLED**, it will be **ENABLED**: the executed command will be confirmed by an audible feed back signal (high-pitched sound).

[7] **Record/Play Memo** (With K3/VOX2 only)
This command will allow you to Record/Play a memo:

- Press [4] to access the Record/Play Memo phase:
- Press [1] to record the message.
- Press [0] to play message.

The end of recording/playback will be signalled by an audible feed back signal (buzz). If you enter a wrong Code, or a message has already been recorded but not played back, the system will emit an audible feedback signal.

[8] **Reset Alarms**

This command will allow you to clear Partition and/or Control panel Alarms restore the system to standby, depending on the Access level of the Code used via Telephone.

[9] **Enable/Disable Current User Code (ACTIVE)**

This command will allow you to select/deselect the **ACTIVE** attribute for the entered User Code.

This is a toggle command:
- if the entered User Code is already **ACTIVE**, it will become **NOT ACTIVE** (Disabled): the executed command will be confirmed by an audible feed back signal (low-pitched sound);
- if the entered User Code is **NOT ACTIVE** (Disabled), it will become **ACTIVE** (Enabled): the executed command will be confirmed by an audible feed back signal (high-pitched sound).

☞ *This security feature will allow you to protect your system against unauthorized access. If you Disable a User Code via Telephone it cannot be used again until it is Re-enabled via the User menu (refer to "Programming PIN Codes" under "Accessing the User Menu").*

Default PINs (Factory default)

Table 7, on the following page, shows the default PINs of the User Codes for KYO 320:
- the **No.** column shows the ID number of the User Code;
- the **Description.** column (to be filled in by the Installer) is for the Code User's name;
- the **PIN.** column shows the default PIN of the corresponding User Code. The default PIN will be restored if the secret

Code PIN is duplicated (**Disclosed**) at random (refer to "Programming PIN Codes" in the "OPERATING YOUR SYSTEM FROM A KEYPAD" section).

TABLE 7 - DEFAULT PINs								
no.	**Description**	**PIN**	**no.**	**Description**	**PIN**	**no.**	**Description**	**PIN**
001		0001	066		0066	131		0131
002		0002	067		0067	132		0132
003		0003	068		0068	133		0133
004		0004	069		0069	134		0134
005		0005	070		0070	135		0135
006		0006	071		0071	136		0136
007		0007	072		0072	137		0137
008		0008	073		0073	138		0138
009		0009	074		0074	139		0139
010		0010	075		0075	140		0140
011		0011	076		0076	141		0141
012		0012	077		0077	142		0142
013		0013	078		0078	143		0143
014		0014	079		0079	144		0144
015		0015	080		0080	145		0145
016		0016	081		0081	146		0146
017		0017	082		0082	147		0147
018		0018	083		0083	148		0148
019		0019	084		0084	149		0149
020		0020	085		0085	150		0150
021		0021	086		0086	151		0151
022		0022	087		0087	152		0152
023		0023	088		0088	153		0153
024		0024	089		0089	154		0154
025		0025	090		0090	155		0155
026		0026	091		0091	156		0156
027		0027	092		0092	157		0157
028		0028	093		0093	158		0158
029		0029	094		0094	159		0159
030		0030	095		0095	160		0160
031		0031	096		0096	161		0161
032		0032	097		0097	162		0162
033		0033	098		0098	163		0163
034		0034	099		0099	164		0164
035		0035	100		0100	165		0165
036		0036	101		0101	166		0166
037		0037	102		0102	167		0167
038		0038	103		0103	168		0168
039		0039	104		0104	169		0169
040		0040	105		0105	170		0170
041		0041	106		0106	171		0171
042		0042	107		0107	172		0172
043		0043	108		0108	173		0173
044		0044	109		0109	174		0174
045		0045	110		0110	175		0175
046		0046	111		0111	176		0176
047		0047	112		0112	177		0177
048		0048	113		0113	178		0178
049		0049	114		0114	179		0179
050		0050	115		0115	180		0180
051		0051	116		0116	181		0181
052		0052	117		0117	182		0182
053		0053	118		0118	183		0183
054		0054	119		0119	184		0184
055		0055	120		0120	185		0185
056		0056	121		0121	186		0186
057		0057	122		0122	187		0187
058		0058	123		0123	188		0188
059		0059	124		0124	189		0189
060		0060	125		0125	190		0190
061		0061	126		0126	191		0191
062		0062	127		0127	192		0192
063		0063	128		0128	193		0193
064		0064	129		0129	194		0194
065		0065	130		0130	195		0195

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