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$C\mathcal{E}$

SmartLine

Conventional Fire Detection Control Panel

Extinguishant system Control Panel

User's Manual

GameOver

Chapter 1

Description of the Control panel

1.1   Manufacturer's name and address

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1.2   Device identification details

Denomination: Conventional Fire Detection Control Panel

Model: SmartLine

Year of Manufacture: 2007

1.3   Documentation supplied

• User's Manual (this manual)
• Installation and Programming Manual

1.4   Manual details

Title: SmartLine user manual.

• Edition, Issue: 1.0
• Month and year of printing: June 2007
• User manual code: DCMUINE0SLINE

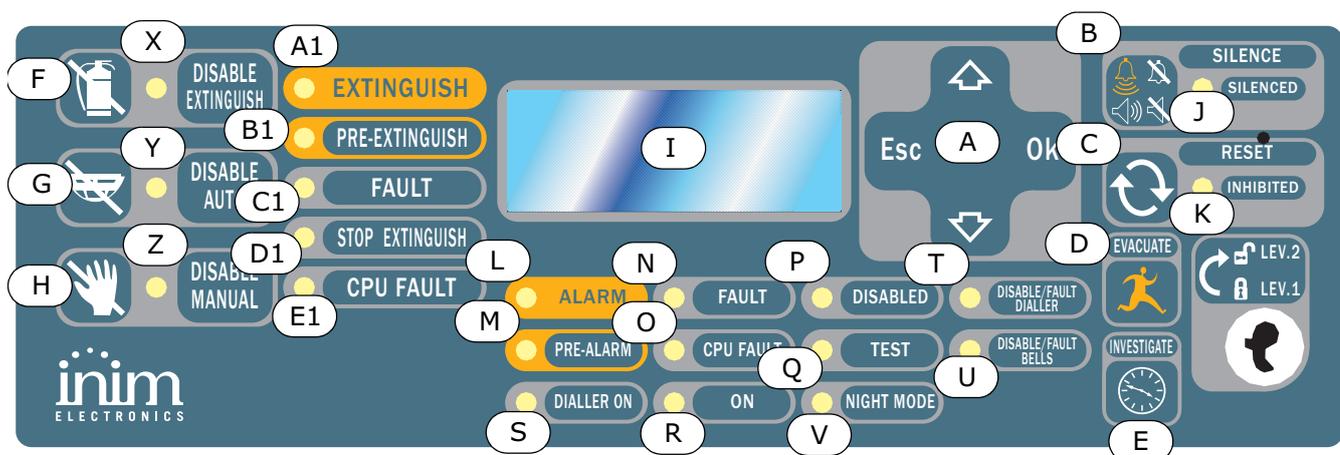## 1.5   Control panel user interface (Keypad and LEDs)

Figure 1 - Control panel frontplate

1.5.1 Commands

Note: *For further details refer to the Installation Manual, paragaph 5.1 SmartLine frontplate.*

Buttons/Keys	Access level 1	Access level 2
[A] 4 scroll keys ▲/▼/OK/ESC		
[B] SILENCE	Push this button to silence (turn OFF) the panel beeper.	Silences (turns OFF) active outputs with the silenceable attribute. The silenceable outputs will hold silenced status until a new event occurs that releases the outputs automatically. The SILENCE button operates as a toggle switch, therefore, silenced outputs can be unsilenced by pushing the button again.
[C] RESET		Push this button to clear any active events, delete the memory and restore standby conditions.
[D] EVACUATE	If this button is pressed during active pre-alarm conditions, the system will override the programmed pre-alarm time and generate an instant alarm (i.e. activate all evacuation-warning devices).	If you push this button when pre-alarm conditions are not active, the system will generate a panel alarm.
[E] INVESTIGATE		If you push this button during active pre-alarm conditions, the system will add the preset time to the running pre-alarm time (this operation can be done once only for input).
Extinguishant module (accessory item) commands		
[F] DISABLE EXTINGUISH		If you push this button once, the system will disable Extinguish commands. If you push this button again, the system will re-enable Extinguish commands.
[G] DISABLE AUTOMATIC		If this button is pressed once, the system will disable automatic extinguish commands generated by the Extinguishant module. If this button is pressed again, the system will re-enable automatic extinguish commands generated by the Extinguishant module.
[H] DISABLE MANUAL		If you push this button once, the system will disable manual extinguish commands. If you push this button again, the system will re-enable manual extinguish commands.

1.5.2 Visual Signaling

LED	ON Solid	ON Blinking
[I] LCD display		
[J] SILENCED (yellow)	Indicates that the system has been silenced.	
[K] RESET INHIBITED (yellow)	Indicates that reset commands are not allowed during pre-alarm/alarm events. Reset will be allowed when all outputs have been silenced and this LED goes Off.	
[L] ALARM (red)	Indicates an alarm condition, that is, an input point (detector, callpoint, input module, etc.) set to generate alarms has detected alarm conditions.	

LED	ON Solid	ON Blinking
[M] PRE-ALARM (red)	Signals a pre-alarm condition, that is, activation of a zone point (detector, callpoint, etc.) that is programmed with a pre-alarm time.	
[N] FAULT (yellow)	Signals an active system fault condition. The display will provide the fault details.	Indicates memory of a cleared fault event. To view the restored fault condition details, consult the events log using the Main menu (Level 1--public).
[O] CPU FAULT (yellow)	Indicates trouble with the panel CPU—the panel must be sent back immediately to the manufacturer for repair.	Indicates that the CPU re-initialized (due to control panel shutdown or fault condition).
[P] DISABLED (yellow)	Indicates that one or more components of the system (zone or output) have been bypassed.	
[Q] TEST (yellow)	Indicates that one or more zones are undergoing tests.	
[R] ON (green)	Indicates that the system is operating (On).	
[S] DIALLER ON (red)	Indicates that the dialer activation output is active.	
[T] DISABLE/ FAULT DIALLER LED (yellow)	Indicates that the dialer activation output is disabled or faulty—the display will provide the respective details.	Indicates restoral of a fault event. This event can be cleared by RESET only (Level 2--security personnel).
[U] DISABLE/FAULT BELLS (yellow)	Indicates that the sounder/flasher activation output is disabled or faulty—the display will provide the respective details.	Indicates restoral of a fault event. This condition can be cleared by reset only (Level 2--security personnel).
[V] NIGHT MODE (yellow)	Indicates that the panel is operating in night mode.	
Extinguishant module signaling (optional system enhancement tool)		
[X] DISABLE EXTINGUISH	Indicates disablement of all types of extinguish commands, via key [F] (refer to the previous table). *1.5.1 Commands*	
[Y] DISABLE AUTOMATIC	Indicates disablement of all types of extinguish commands, via key [F] (refer to the previous table). *1.5.1 Commands*	
[Z] DISABLE MANUAL	Indicates disablement of all types of extinguish commands, via key [F] (refer to the previous table). *1.5.1 Commands*	
[A1] EXTINGUISH	Indicates that fire extinction is running.	
[B1] RE-EXTINGUISH	Indicates activation of the pre-extinguish output.	
[C1] FAULT	Indicates trouble with the fire extinction circuits.	Indicates restoral of a fault event.
[D1] STOP EXTINGUISH	Indicates that the fire-extinction phase has been interrupted by means of a remote Hold-off unit.	Indicates restoral of a Stop extinguishant event.
[E1] CPU FAULT	Indicates a CPU fault. The device must be sent back to the manufacturer for immediate repair.	Indicates restoral of a fault event.

1.6 Repeater

This control panel supports up to four Repeater panels. Repeater panels replicate all the information provided by the control panel and allow access to all Level 1 and 2 functions (View active events, Reset, Silence, etc.), but DO NOT allow access to the Main menu.
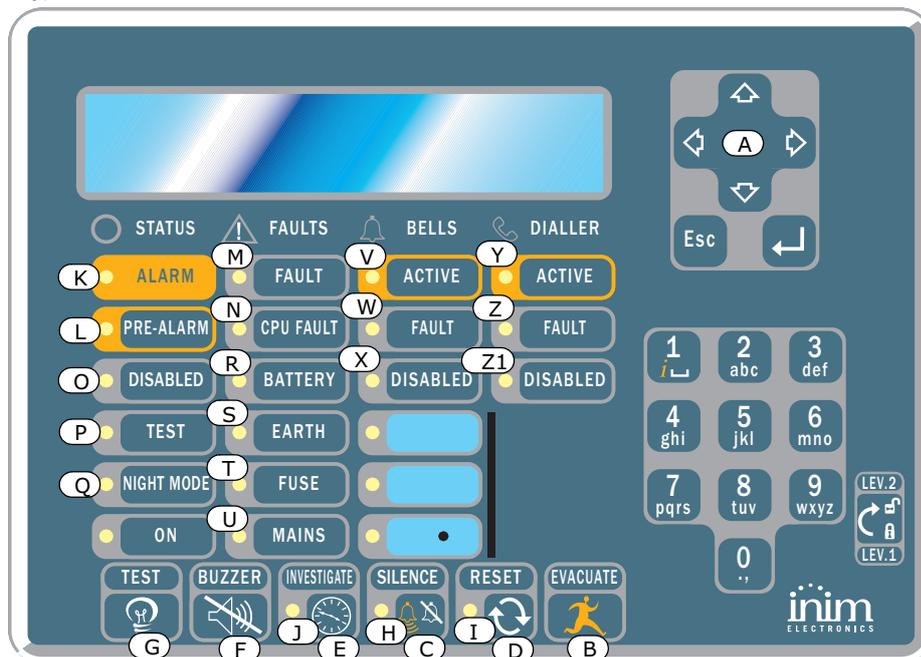

Figure 2 - Front view of the Repeater panel

The SmartLetUSee/LCD Repeater is supported by most control panel models. However, when it is connected to a SmartLine control panel, some of the command buttons are not operational. The following keys/buttons are operational:

[A] ▲/▼	Scroll keys which will allow navigation through menus, etc.
[B] EVACUATE	As per *Figure 1 - Control panel frontplate*
[C] SILENCE	As per *Figure 1 - Control panel frontplate*
[D] RESET	As per *Figure 1 - Control panel frontplate*
[E] INVESTIGATE	As per *Figure 1 - Control panel frontplate*
[F] BUZZER	Turns the panel beeper Off
[G] TEST	Turns On al the LEDs to verify functionality.

Repeaters provide the following signals.

1.6.1 Display

The display provides same event data as the panel.. For further details refer to *Signaling on the display* on page 9.

1.6.2 LEDs

LED	ON Solid	ON Blinking
[H] SILENCED	As per *Figure 1 - Control panel frontplate*	
[I] INHIBITED RESET	As per *Figure 1 - Control panel frontplate*	
[J] INVESTIGATE	As per *Figure 1 - Control panel frontplate*	

LED	ON Solid	ON Blinking
[K] ALARM	As per *Figure 1 - Control panel frontplate*	
[L] PRE-ALARM	As per *Figure 1 - Control panel frontplate*	
[M] FAULT	As per *Figure 1 - Control panel frontplate*	
[N] CPU FAULT	Indica che la CPU del repeater è guasta (è necessario inviare il repeater in riparazione) o che non c'è comunicazione con la centrale (controllare le connessioni).	Indicates that the control panel CPU has reset.
[O] DISABLED	As per *Figure 1 - Control panel frontplate*	
[P] TEST	As per *Figure 1 - Control panel frontplate*	
[Q] NIGHT MODE	As per *Figure 1 - Control panel frontplate*	
[R] BATTERY	Indicates that the panel batteries are low or inefficient.	Indicates restoral of the low/ inefficient battery event.
[S] EARTH	Indicates voltage dispersion to earth.	Indicate restoral of the voltage dispersion to earth event.
[T] FUSE	Indicates that either the "AUX" or "AUX-R" output is shorted and the protection fuse has intervened.	Indicates the restoral of "AUX" or "AUX-R" output-shorted event.
[U] MAINS	Indicates Mains failure.	Indicates restoral of the Mains failure event.
[V] BELLS - ACTIVE	Indicates that the ALARM NAC output is active.	
[W] BELLS - FAULT	Indicates an "ALARM NAC" output fault.	Indicates restoral of the "ALARM NAC" output fault event.
[X] BELLS - DISABLED	Indicates that the "ALARM NAC" output is disabled.	
[Y] DIALLER - ACTIVE	Indicates that the "Dialer" output is active.	
[Z] DIALLER - FAULT	Indicates a "Dialer" output fault.	Indicates restoral of the "Dialler" output fault event.
[Z1] DIALLER - DISABLED	Indicates that the "Dialer" output has been disabled.	

Chapter 2

Using the Control Panel

2.1   Note to Security Personnel

Attention: **Insert and turn the key. The panel will enable access level 2. The panel will hold level 2 status for 30 seconds.**

2.2   Danger signaling

In the event of fire hazard, always follow the fire department approved fire drill.

2.2.1   Note to building occupants

Alarm LED On	Evacuate the building immediately.
Pre-alarm LED On	In the event of real danger, press the <EVACUATE> button to broadcast the alarm and evacuate the building immediately. Inform the person/s in charge of the safety of the building and its occupants immediately. To silence the beeper, press <BUZZER>.

2.2.2   Note to Security Personnel

1. To force the panel into alarm status, regardless of its status, press <EVACUATE>.

Alarm/Pre-alarm/Reset LED On	At least one zone is in alarm/pre-alarm status.

    1. If there is no intervention during a pre-alarm, the panel will generate an alarm when the pre-set pre-alarm time expires.

    2. To request investigation time, press <INVESTIGATE> and check the building. The investigation time cannot be refreshed.

    3. In the event of a false alarm, press <SILENCE>. The panel beeper and the silenceable outputs will be silenced until a new event occurs. If the panel is operating in Night mode, the panel beeper and the silenceable outputs will be unsilenced automatically after the pre-set time, and the panel will generate pre-alarm status.

    4. If you wish to re-activate pre-alarm/alarm status after pressing the <SILENCE> button, press the <SILENCE> button again: pre-alarm/alarm signaling and the outputs will re-activate.

    5. To clear all alarm/fault signaling (active and in memory), press <RESET>. If the conditions persist, the panel will generate another alarm.

SILENCE LED On	Indicates that the control panel has been silenced but has not yet been reset.
RESET LED On	The control panel is in alarm or pre-alarm status. To reset the control panel, you must press <SILENCE> before pressing <RESET>.

2.3   Fault signaling

2.3.1   Note to building occupants

Fault LED	Inform the person/s in charge of the safety of the building and its occupants immediately.

2.3.2   Note to Security Personnel

You must always ensure that faults are dealt with and cleared as soon as possible. However, if you wish to stop the fault signaling, you can bypass the zone or output concerned.

Fault LED On	Indicates that at least one system fault has been detected. View the fault details on the display and ensure that it is dealt with and cleared.
On LED Off	Primary and secondary power failure (no mains or battery power). The system is not working, ensure that power is restored as soon as possible.
CPU LED On	The control panel must be sent back to the manufacturer for repair.
DISABLE/FAULT DIALLER LED On	The dialler output is disabled or faulty. View specifics on display. Press <RESET> to switch the LED Off.
DISABLE/FAULT BELLS LED On	The Alarm NAC is disabled or faulty. View the log for specifics. Press <RESET> to switch the LED Off.

2.4   Informative signaling

Signaling that does not require specific action.

NIGHT MODE LED	ON	Control panel in Night mode. WARNING: The panel may have been programmed to generate instant alarms. During Night mode, SILENCE will be held for the pre-set silence time only.
Fault LED	Blinking	Restoral of a system fault. View the log for specifics. Press <RESET> to switch the LED Off.
DISABLE/ FAULT BELLS LED	Blinking	An "Alarm NAC" output fault has been cleared. View the log for specifics. Press <RESET> to switch the LED Off.
DISABLE/ FAULT DIALLER LED	Blinking	A Dialler output fault has been cleared. View the log for specifics. Press <RESET> to switch the LED Off.
CPU LED	Blinking	The CPU has reset (due to shutdown or jamming). Check the efficiency of the entire system. Press <RESET> to switch the LED Off.
BYPASS LED	ON	A zone or output has been bypassed. View specifics on display.
TEST LED	ON	A zone is in Test status. View specifics on display.
DIALLER LED	ON	Dialler LED OnAn alarm event has activated the Dialler
DIALLER ON LED	ON	Control panel operating.

View Events

The events represent the various conditions signaled by the panel and have the following order of importance: alarm, pre-alarm, fault, bypass, test. The system displays information regarding real-time events of major importance and disregards those of minor importance (for example, if the system is dealing with three fault events when a pre-alarm event occurs, the fault events will be disregarded and cleared from the display and the pre-alarm will take priority). All events are saved to the log and can be viewed.

2.5   Signaling on the display

If several events of the same type occur, only the first will be shown on the display. If several alarms occur, the first alarm will remain on the first line of the display and the most recent alarm will be shown on the line below.

Use the ▲/▼ keys to scroll the events on the display.

2.5.1   Alarm signaling

Example of first alarm: a detector belonging to zone 02 goes into alarm status

```
Fire alarm     Z02
<Zone Descr. 02>

TOT. 001 ON 01 Z
```

1st line: number of the first zone to go into alarm status (Znn)

2nd line: description of the first zone in alarm status

3rd line: -

4th line: total numbers of alarm events and total number of zones in alarm status.

Example of first alarm: a detector belonging to zone 29 goes into alarm status

The total number of alarm events and zones involved will increase, however, the display will still show the details of the first alarm.

```
Fire alarm     Z02
<Zone Descr. 02>
Fire alarm     Z29
TOT. 002 ON 02 Z
```

1st line: *unchanged*

2nd line: *unchanged*

3rd line: number of the zone in alarm status

4th line: total number of alarm events and total number of zones in alarm status

Example of several alarm events: another call point belonging to I/O line of zone 29 goes into alarm status

```
Fire alarm     Z02
<Zone Descr. 02>
Fire alarm     Z29
TOT. 003 ON 02 Z
```

1st line: *unchanged*

2nd line: *unchanged*

3rd line: number of the zone in alarm status

4th line: total number of alarm events and total number of zones in alarm status

To view alarm event details

Press the ▲/▼ keys: the details of the first alarm in zone 2 will be shown:

```
Fire alarm     Z02
<Zone Descr. 02>

Las Z 29   TOT.02Z
```

1st line: number of the zone in alarm status

2nd line: description of the zone in alarm status

3rd line: -

4th line: number of the last zone and total zones in alarm status

If no key is pressed within 20 seconds, the display will restore to the initial screen.

2.5.2   Pre-alarm, Early Warning and Monitor signaling

Signaling is the same for these three event types, however, "Monitor" signals are not associated with zones.

Example of first alarm: a detector belonging to zone 02 goes into alarm status

```
Pre-alarm 01/01
Zone           02
<Zone Descr. 02>
```

1st line: progressive number of the pre-alarm event and total number of pre-alarm events

2nd line: number of the point in pre-alarm status

3rd line: description of the point in pre-alarm status

4th line: -

Example of successive pre-alarm event

The total number of pre-alarm events will increase but the display will still show the details of the first pre-alarm event.

```
Pre-alarm 01/02
Zone           02
<Zone Descr. 02>
```

1st line: progressive number of the pre-alarm event and total number of pre-alarm events

2nd line: *unchanged*

3rd line: *unchanged*

4th line: *unchanged*

To view the pre-alarm events

Press ▼ for the successive pre-alarm event. Press ▲ for the previous pre-alarm event.

```
Pre-alarm 02/02
Zone           03
<Zone Descr. 03>
```

1st line: progressive number of the pre-alarm event and total number of pre-alarm events

2nd line: number of the zone in pre-alarm status

3rd line: description of the zone in pre-alarm status

4th line: -

2.5.3   Fault signaling

Fault signaling can be generated by a zone, or by the dialler, alarm NAC, fault NAC, 24V external loads outputs or by an anomalous condition found by the control panel.

Example of first fault: fault on NAC output

```
Fault  01/01
Short  I/O
Panel  NAC
```

1st line: progressive number of the fault event and total number of fault events

2nd line: fault type

3rd line: description of the output

4th line: -

Example of a successive fault

The total number of faults will increase but the display will still show the details of the first fault event.

```
Fault  01/02
Short  I/O
Panel  NAC
```

1st line: progressive number of the fault event and total number of fault events

2nd line: *unchanged*

3rd line: *unchanged*

4th line: -

To view fault events

Press ▼ for the successive fault event. Press ▲ for the previous fault event.

```
Fault 02/02
Ground fault
```

1st line: progressive number of the fault event and total number of fault events

2nd line: fault type

3rd line: -

4th line: -

2.5.4   Bypassed and Test Signaling

Bypassed signaling can be generated by a zone or an output. Test Signaling can be generated only by a zone.

Example of first bypassed zone event: zone 12 bypassed

```
Disable  01/01
<Zone Descr. 12>
```

1st line: number of the first bypassed zone and total number of bypassed zones

2nd line: description of the bypassed zone

3rd line: -

4th line: -

Example of a successive bypassed zone

The total number of bypassed zones will increase but the display will still show the details of the first bypassed zone event.

```
Disable 01/02
<Zone Descr. 20>
```

1st line: number of the first bypassed zone and total number of bypassed zones

2nd line: *unchanged*

3rd line: -

4th line: -

To view all bypassed zones

Press ▼ for the successive bypassed zone. Press ▲ for the previous bypassed zone.

```
Disable 02/02
<Descr. Descr. 12>
```

1st line: number of the first bypassed zone and total number of bypassed zones

2nd line: description of the bypassed zone

3rd line: -

4th line: -

2.6   View Events Log

Press <key>, Log, <OK>: all the recorded events will be shown in chronological order (maximum 100 events).

```
100 Alarm
<Zone Descr. nn>

9/10/06 08:00
```

1st line: progressive number of the last event

2nd line: zone description

3rd line: -

4th line: date and time

Press ▲/▼ to scroll the log.

Test Panel LEDs

Press <key>, Test LED, <OK>: all the panel LEDs will go On briefly.

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