Alcyon

FIRE DETECTION AND PROTECTION SYSTEM
Operating manual

PH377111

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INDEX

GENERAL OPERATING PRINCIPLES

Management by access level

As required by EN 54/2, the control panel mode of operation is based on access levels.

- Level 1

  It enables the user to execute commands which do not change the status of the control panel
  (mute the buzzer, test internal buzzer and visible indications, scrolling...)
- Level 2

  It enables the user to perform general operating functions (enable detection zones, disable detection zones, silence / resound sounders …)
- Level 3

  It is reserved for the installer / maintainer and enables to execute commands related to servicing operations (test ...).

Level 1 is included in level 2.

Level 2 is included in level 3.

If there is no operation for 30 seconds, the control panel automatically returns to access level 1.

When a correct code is entered, the panel beeps twice successively and the display indicates the current access level in the top right-hand corner.

If incorrect codes are entered 5 times successively in less than 5 minutes, the control panel beeps successively several times and prohibits access to levels 2 and 3 for 15 minutes.

In order to optimize the use, access level 2 is divided into two types:

- level 2 "operator", and
- level 2 "master",

There are also two types of access level 3

- level 3 "user",
- And level 3 "maintainer",

There are up to 16 codes for level 2 and 3 and a single code for level 3 " maintainer".

Level 2 can also be accessed with a button.

General information

Each action on a push button produces a brief acknowledgement beep.

A manipulation error produces a longer beep.

If access is requested for an unauthorized operation in the current access level, the display asks for the correct code

The control panel executes only those commands, which can be accessed from the current access level, to the display.

Information is latched with the exception of pre alarm and power supply faults that reset automatically when they are corrected.

In the case of an event during operations, the user exits the current menu and the event is directly displayed.

Audible signals

Steady: fire

Pulsed: pre alarm, fault including power supply fault, system fault,

Long beep: operation prohibited

Short beep: operation on buttons

General screen

Screen for standby condition

```
≡28/08/08≡≡≡≡09:33:17≡≡≡≡≡≡o┱1≡



      Return                    Validate
```

Screen in case of disablement and test

```
≡28/08/08≡≡≡≡09:43:57≡≡≡≡≡≡o┱1≡




3 Disable        1 Test
```

Screen in case of fire

```
28/08 at 15:31  Fire detector
Zone     1        Apparatus floor warehouse
Address  01101   Front door


1 Zone(s)in fire    Scroll      Instruct
```

General principles applicable to signals

The information is provided with respect to the following hierarchy :

1 - Fire -> 2 - Fault -> 3 - Technical alarm

GENERAL INDICATION AND OPERATION

Organisation of general indication

Steady :
On associated panels, at least one
of the detection zones or technical
alarm zones has a fault or,
Power supply fault or,
System fault or,
Evacuation / protection fault or,
RS Repeaters fault or,
Ground fault or,
Fault on remote terminal

Steady :
On associated panels,
Mains fault or,
Battery fault or,
Power supply fault on remote
terminal

Steady :
On associated panels, at least
one of the zones is on fire

Steady :
On associated panels, delay
before evacuation active

Steady :
On associated panels, Mains
and battery fault or,
System fault or,
System fault on remote
terminal

Steady :
On associated panels,
At least one of the detection
zones or,
Technical alarm zones or,
Evacuation zone is disabled or,
Evacuation is delayed

FIRE
FAULT
POWER SUPPLY FAULT
DELAY MODE
SYSTEM FAULT
DISABLEMENT
TEST
POWER

INDICATOR TEST

MUTE

RESET

SCROLL

MENU

Code

ALCYON

Figure 1 [PE310711]

Steady :
On associated panels, at least
one of the detection zones or,
Technical alarm or
Evacuation zone is under test

Steady :
Power is present

.

Organization of general operations

The buttons are divided into six groups:

[PE310811]

1. Three buttons which enable to access functions that can normally be directly accessed:
   - mute,
   - indicator test,
   - CODE.
2. Two buttons which enable to access other functions with the help of a menu given in the display:
   - RESET
   - SCROLL.
3. The button "MENU" helps to access the menu below. Each of these menus allows access to several sub-menus.

```
═══════════════════════════Menu══════════════════════O━1═
1>Fire detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Overview
4>Others

  Return                            Validate
```
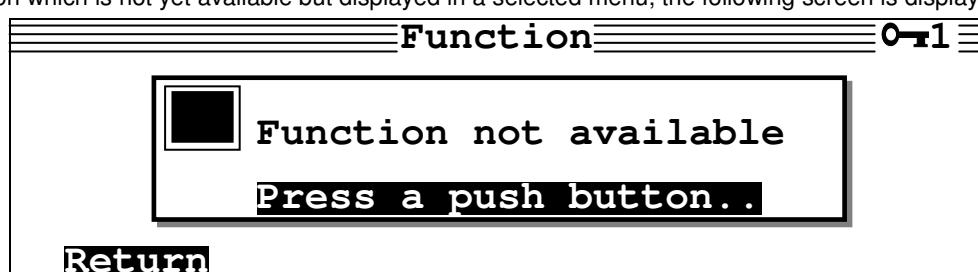
The same principles are applicable to the other command that can be selected:

Either by pressing the corresponding button on the numeric push keypad (e.g. 7 for overview) or,

by moving the cursor with the navigation buttons and by validating the option with the content button 'validate'.

4. A numeric keypad (push buttons 0 to 9) enables to select one of the menus, to enter an access code or the value of data
5. Four push buttons ◄ ▲ ▼ ► for navigation enable to move the cursor (shadowed zone) in the display.
6. Four push buttons ▲ ▲ ▲ ▲ are located just below the display and enable the content menu given in the last line of the display.

If a function which is not yet available but displayed in a selected menu, the following screen is displayed:

```
═══════════════════════════Function══════════════════O━1═

  ███   Function not available

        Press a push button..

  Return
```

SUMMARY OF OPERATIONS

Operations	Level 1	Level 2 operator	Level 2 master	Level 3 user	Level 3 maintainer
Frequently-used general operations					
Enter an access code					
Mute internal buzzer	Yes	Yes	Yes	Yes	Yes
Test internal buzzer and visible indication	Yes	Yes	Yes	Yes	Yes
Scroll	Yes	Yes	Yes	Yes	Yes
Reset		Yes	Yes	Yes	Yes
General servicing operations					
View stored information			Yes	Yes	Yes
Set printer			Yes	Yes	Yes
Modify an access code			Yes		Yes
Adjust date and time			Yes	Yes	Yes
Access data from the panel				Yes	Yes
Upgrade boot program				Yes	Yes
Upgrade loop processor				Yes	Yes
Perform a network monitoring				Yes	Yes
Perform a service PIN				Yes	Yes
Modify the language				Yes	Yes
Enable / disable a loop				Yes	Yes
Adjust the contrast of the display				Yes	Yes
Operations related to fire detection zones					
Status	Yes	Yes	Yes	Yes	Yes
Overview	Yes	Yes	Yes	Yes	Yes
Enable		Yes	Yes	Yes	Yes
Disable		Yes	Yes	Yes	Yes
Walk test				Yes	Yes
Simulation test					Yes
Operations related to technical alarm detection zones					
Status	Yes	Yes	Yes	Yes	Yes
Overview	Yes	Yes	Yes	Yes	Yes
Enable		Yes	Yes	Yes	Yes
Disable		Yes	Yes	Yes	Yes
Walk test				Yes	Yes
Simulation test					Yes
Operations related to the alarm zones					
Status	Yes	Yes	Yes	Yes	Yes
Overview	Yes	Yes	Yes	Yes	Yes
Enable		Yes	Yes	Yes	Yes
Disable		Yes	Yes	Yes	Yes
Test				Yes	Yes
Enablement of staff alarm		Yes	Yes	Yes	Yes
Disablement of staff alarm		Yes	Yes	Yes	Yes

FREQUENTLY-USED GENERAL OPERATIONS

To enter an access code

■ Press the "Code" button

```
════════════════ Access code ════════════════ 0━┳1 ═

              Enter your code

                 ┌─────────────┐
                 │    ****      │
                 └─────────────┘

      Return                    Correct   Validate
```

■ Type your code with the help of the numeric button pad
■ Validate the code with the content button located below the **validate** menu (to the right in the last line of the display) or correct the value entered with the help of the content button located below the **correct** menu.

To mute the internal buzzer (Access levels 1, 2, 3) or (2, 3)
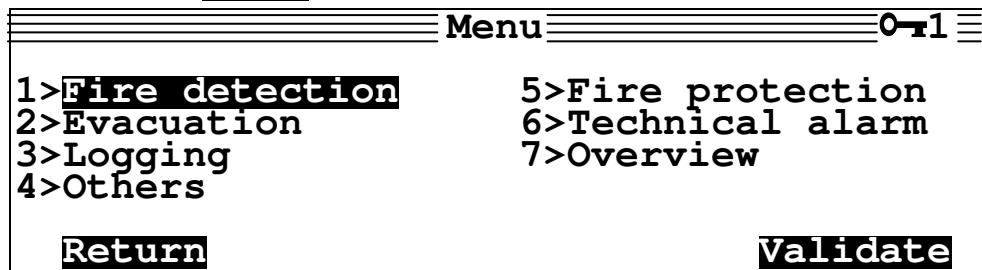
■ Press the "MUTE" button

To test the internal buzzer and visible indications (access levels 1, 2, 3) or (2, 3)

■ Press the "INDICATOR TEST" button

To view the general status of the panel (access levels 1, 2, 3)

■ Press the "MENU" button
■ Select sub-menu "7 ▶ **Overview** ".

```
════════════════════ Menu ════════════════════ 0━┳1 ═

  1>Fire detection        5>Fire protection
  2>Evacuation            6>Technical alarm
  3>Logging               7>Overview
  4>Others

      Return                             Validate
```
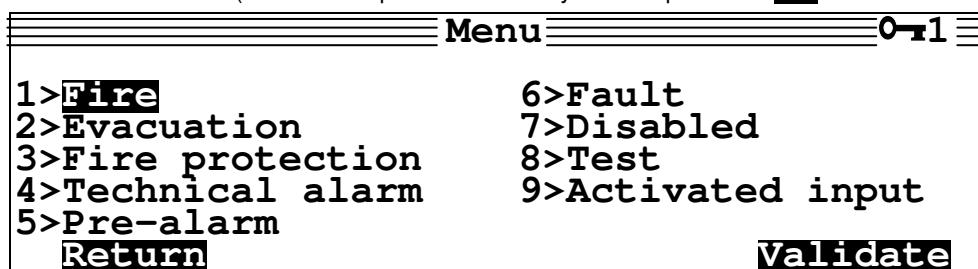
■ Validate,

```
═ Report ═══════════════════════════════════ 0━┳1 ═
  Total number of zones                        6
  Number of zones in fire                      2
  Number of faults                             3
  Number of zones disabled                     1
  Number of zones in test                      0

      Return
```
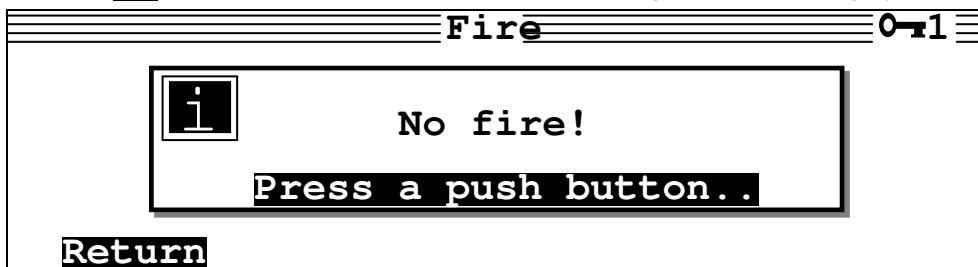
To view information that is not displayed (access levels 1, 2, 3)
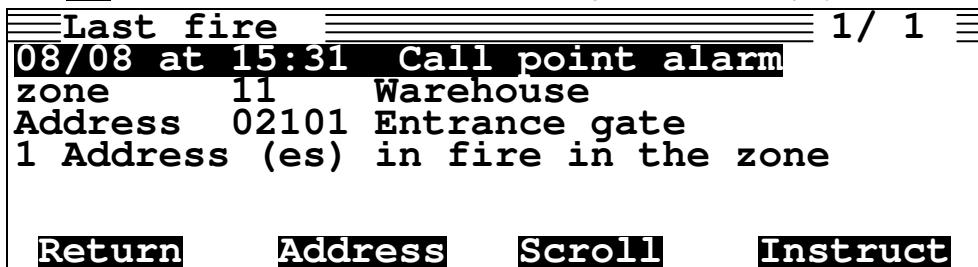
- Press the "Scroll" button (the cursor is positioned directly on the option "1 > Fire".

```
═══════════════════Menu═════════════════════0╍1═
1>Fire              6>Fault
2>Evacuation        7>Disabled
3>Fire protection   8>Test
4>Technical alarm   9>Activated input
5>Pre-alarm
   Return                         Validate
```

If the sub-menu "1 ▸ Fire" is selected and there is no "Fire", the following screen will be displayed:

```
═══════════════════Fire═════════════════════0╍1═
    ┌─────────────────────────────────────┐
    │  i        No fire!                   │
    │                                      │
    │       Press a push button..         │
    └─────────────────────────────────────┘
   Return
```

If the menu "1 ▸ Fire" is selected and there is a "Fire", the following screen will be displayed:

```
═══Last fire ════════════════════════ 1/ 1 ═
08/08 at 15:31  Call point alarm
zone      11    Warehouse
Address   02101 Entrance gate
1 Address (es) in fire in the zone


   Return     Address     Scroll     Instruct
```

The same principles are applicable to the other information that can be selected:

Either by pressing the corresponding button on the numeric push keypad (e.g. 8 for scrolling through tests)

Or by moving the cursor with the navigation buttons and by validating the option with the content button 'validate'.

To reset the control panel (access levels 2, 3)

- Set the panel to access levels 2 or 3,
- Press the "RESET" button
- This command enables to reset fires, technical alarms, faults, evacuation and fire protection
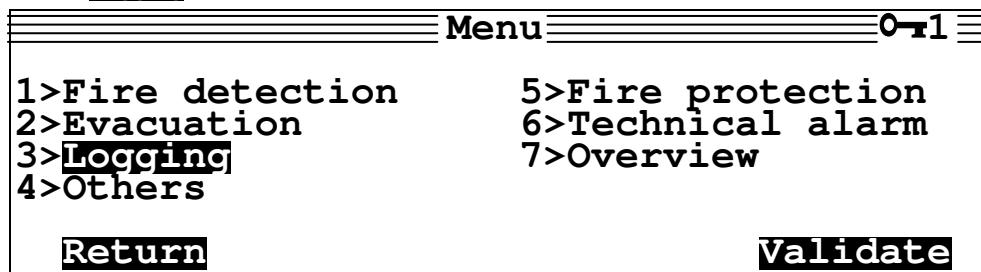
> If the reset is not performed, verify and restore the installation status with the appropriate technical service.
> The disablement of a detection zone or technical alarm zone also leads to the reset of this zone only
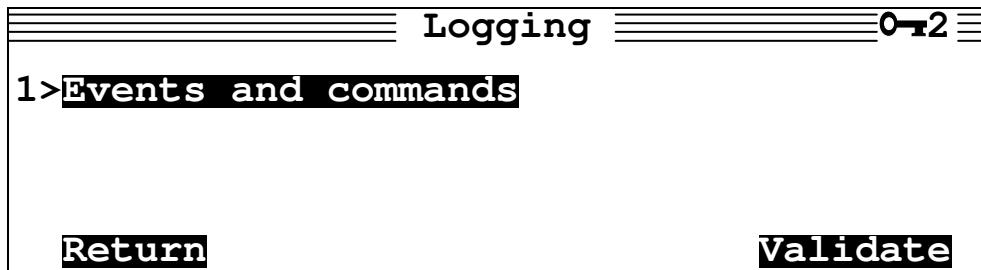
GENERAL SERVICING OPERATIONS

To view stored information (access levels 2 master and 3)
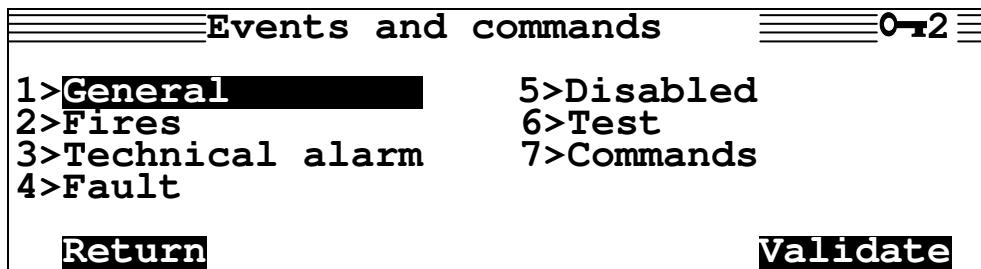
- Go to access levels 2 master or 3,
- Press the "MENU" button
- Select "3 ▸ **Logging**".

```
═══════════════════ Menu ═══════════════0━1═
1>Fire detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Overview
4>Others

    Return                        Validate
```

- Validate,

```
═══════════════ Logging ═══════════════0━2═
1>Events and commands




    Return                        Validate
```

- Validate,

```
═══════════ Events and commands ═══════0━2═
1>General              5>Disabled
2>Fires                6>Test
3>Technical alarm      7>Commands
4>Fault

    Return                        Validate
```
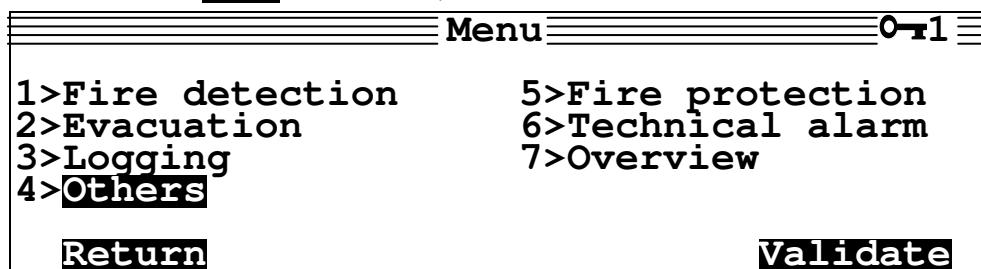
- Select the type of information that you wish to access then validate.
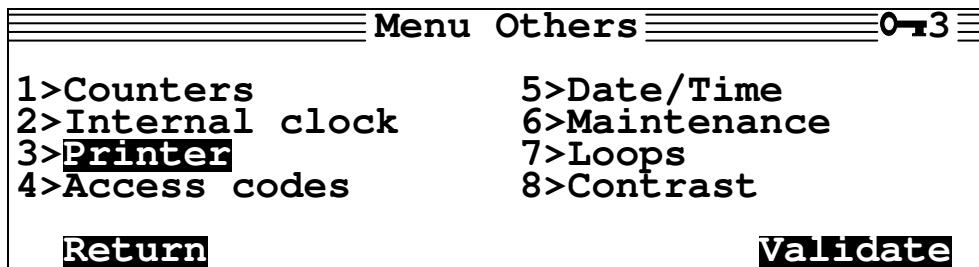
✎ Logged events can be printed.

To adjust the printer settings (access level 2 master and 3)
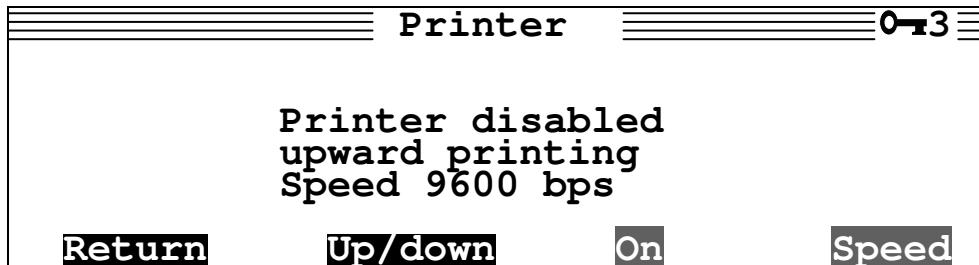
- Set the panel to access level 2 master or 3,
- Press the "MENU" button.
- Select sub-menu "4 ▸ **Others** " then validate,

```
═══════════════════ Menu ═══════════════0━1═
1>Fire detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Overview
4>Others

    Return                        Validate
```

■ Select sub-menu "3 ▶ **Printer** ".

```
════════════════ Menu Others ═══════════ 0━3 ═
1>Counters          5>Date/Time
2>Internal clock    6>Maintenance
3>Printer           7>Loops
4>Access codes      8>Contrast

   Return                          Validate
```

■ Validate,

```
═══════════════════ Printer ═══════════════ 0━3 ═


         Printer disabled
         upward printing
         Speed 9600 bps
   Return       Up/down       On        Speed
```
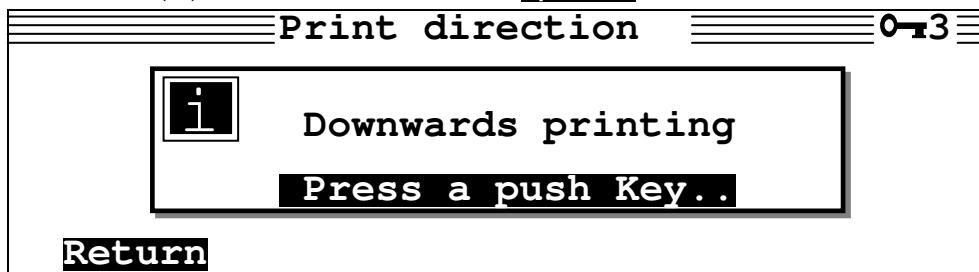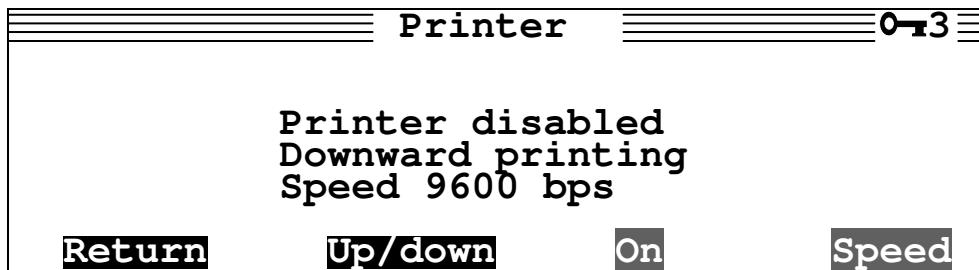
The display "Speed" is not present at access level 2 master.

To change the direction of printing

■ Press the button (▲) located below the sub-menu "**Up / down**",

```
═══════════════ Print direction ═══════════ 0━3 ═

      ┌─────────────────────────────┐
      │ i │   Downwards printing     │
      │   ┌─────────────────────┐    │
      │   │  Press a push Key.. │    │
      └─────────────────────────────┘
   Return
```
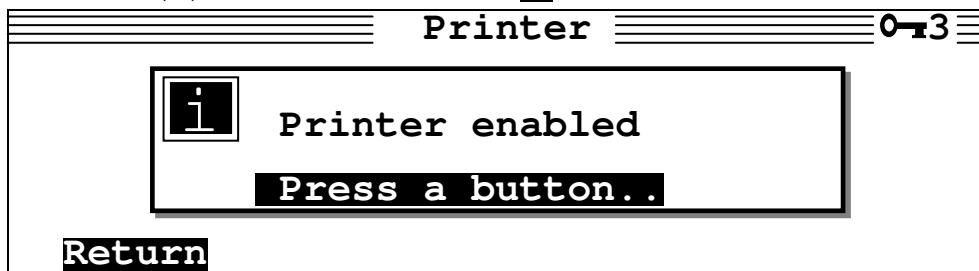
■ Press the button (▲) located below the sub-menu "**Return** ", the direction of printing is reversed.

```
═══════════════════ Printer ═══════════════ 0━3 ═


         Printer disabled
         Downward printing
         Speed 9600 bps
   Return       Up/down       On        Speed
```
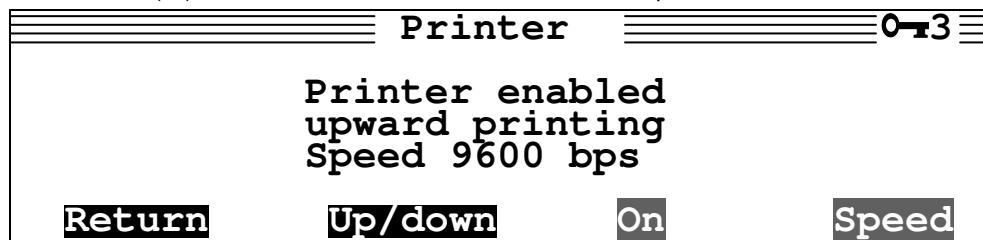
To set the printer online / off-line

■ Press the button (▲) located below the sub-menu "**ES** ",

```
═══════════════════ Printer ═══════════════ 0━3 ═

      ┌─────────────────────────────┐
      │ i │    Printer enabled       │
      │   ┌─────────────────────┐    │
      │   │   Press a button..  │    │
      └─────────────────────────────┘
   Return
```
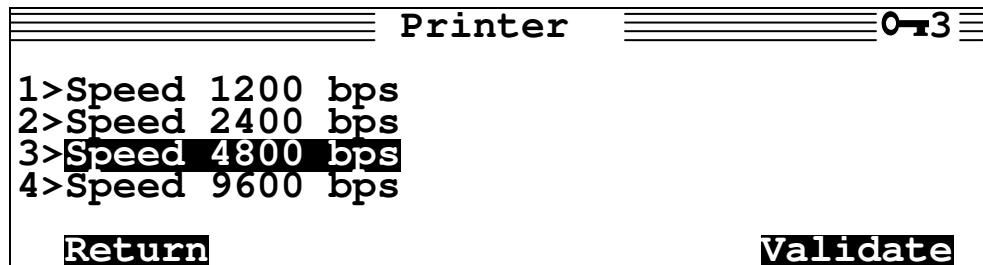
■ Press the button (▲) located below the sub-menu "Return ", the printer is off-line.

```
══════════════════ Printer ═══════════════ 0━3≡
              Printer enabled
              upward printing
              Speed 9600 bps

      Return        Up/down        On         Speed
```
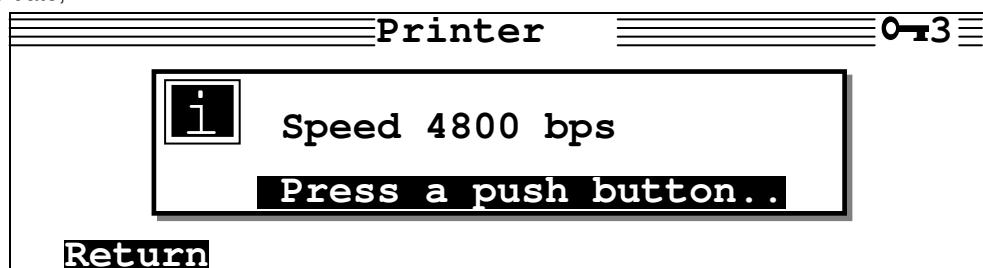
To modify the transmission speed (access level 3 only)

■ Press the button (▲) located below the sub-menu "Speed ",

```
══════════════════ Printer ═══════════════ 0━3≡
      1>Speed 1200 bps
      2>Speed 2400 bps
      3>Speed 4800 bps
      4>Speed 9600 bps

      Return                              Validate
```
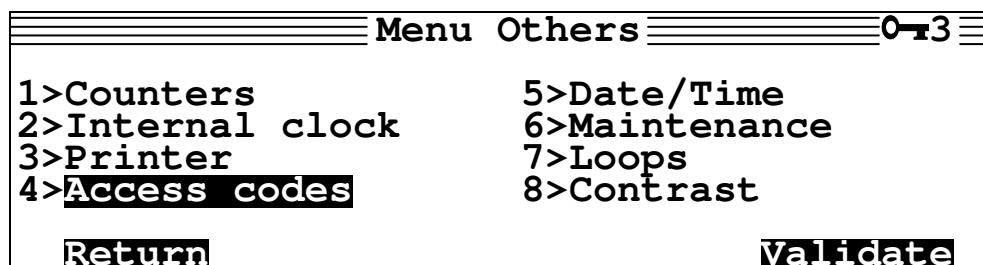
■ Select the desired speed (e.g. 4800 bauds),
■ Validate,

```
══════════════════ Printer ═══════════════ 0━3≡
        ┌───┐
        │ i │   Speed 4800 bps
        └───┘
              Press a push button..

      Return
```
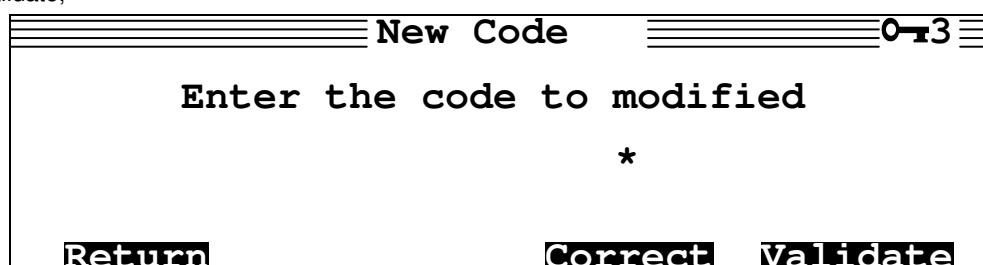
■ Press the button (▲) located below the sub-menu "Return ", the printing speed is 4800 bauds.

To modify an access code (level 2 master or 3)

■ Set the panel to access level 2 master or 3,
■ Press the "MENU" button.
■ Select sub-menu "4 ▶ Others " then validate,
■ Select sub-menu "4 ▶ Access codes ".

```
═══════════════ Menu Others ═══════════════ 0━3≡
      1>Counters        5>Date/Time
      2>Internal clock  6>Maintenance
      3>Printer         7>Loops
      4>Access codes    8>Contrast

      Return                              Validate
```

■ Validate,

```
═════════════════ New Code ════════════════ 0━3≡
         Enter the code to modified

                      *

      Return                  Correct    Validate
```

■ Enter the new value and validate with the content button located below the **validate** menu or correct the value entered with the content button located below the **correct** menu.

To adjust the date and time (access level 2 master and 3)

- Set the panel to access level in-charge 2 or 3,
- Press the "MENU" button.
- Select sub-menu "4 ▸ **Others** " then validate,

```
═══════════════ Menu Others ═══════════ 0━┓3 ≡

1>Counters          5>Date/Time
2>Internal clock    6>Maintenance
3>Printer           7>Loops
4>Access codes      8>Contrast

    Return                        Validate
```

- Select sub-menu "5 ▸ **Date/Time** " then validate,

```
═══════════════ Date/Time ═══════════ 0━┓3 ≡

   Date:      14 / 08 / 02


   Time:      11 : 23 : 34

    Return              Correct   Validate
```

- Enter the date and time and then validate.

> The data to be modified is displayed in flashing mode. To modify it, enter the new value with the help of the numeric keypad and validate it with the content menu push button "validate". If the value is not to be modified, press the content menu push button "validate" directly to move to the following data.

To access data on the panel (level 3 maintainer)

- ⇨ Set the control panel to access level 3 maintainer,
- ⇨ Press the "MENU" button.
- ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ⇨ Select sub-menu « 6 ▸ **Maintenance** " then validate,
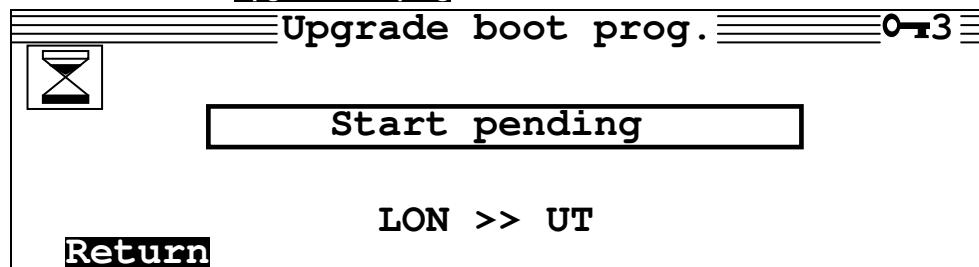
```
═══════════════ Maintenance ═══════════ 0━┓3 ≡

1>Information       5>Service PIN
2>Upgrade boot prog 6>Language
3>Upgrade loop prog
4>Network monitoring

    Return                        Validate
```

- ⇨ Select sub-menu "1 ▸ **Information** " then validate,

```
═══════════════ Information ═══════════ 0━┓3 ≡
UTI   1    V 4.2        28-09-08
BOOT       V 1.8
Loop processor    V1.0
Sounder processor V1.3


    Return
```
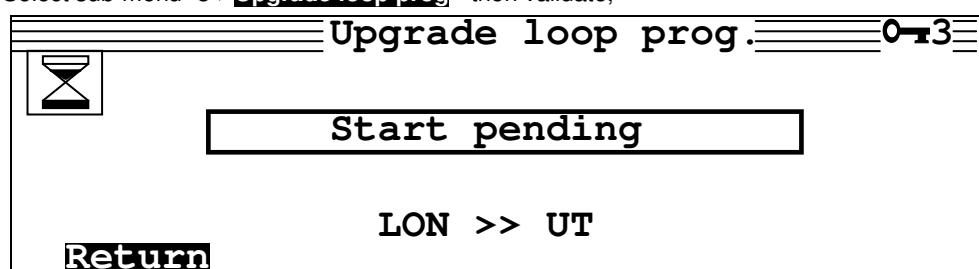
To boot the control panel (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu « 6 ▸ **Maintenance** " then validate,
- ■ ⇨ Select sub-menu "2 ▸ **Upgrade boot prog**" then validate,

```
══════════Upgrade boot prog.═══════0━┱3═

  ⌛

            Start pending


            LON >> UT
 Return
```

To load the direct acquisition unit (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu « 6 ▸ **Maintenance** " then validate,
- ■ ⇨ Select sub-menu "3 ▸ **Upgrade loop prog** " then validate,

```
══════════Upgrade loop prog.═══════0━┱3═

  ⌛

            Start pending


            LON >> UT
 Return
```
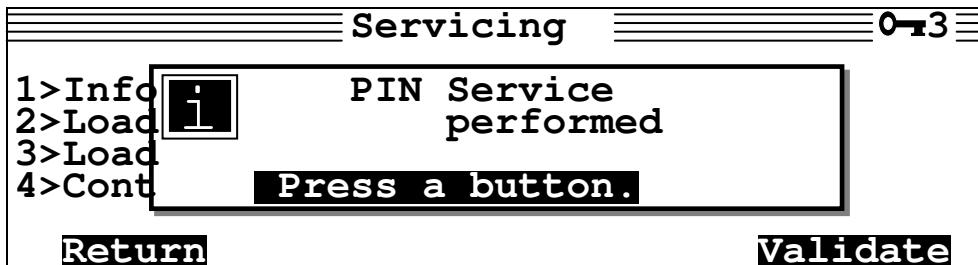
To access network monitoring (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu « 6 ▸ **Maintenance** " then validate,
- ■ ⇨ Select sub-menu « 4 ▸ **Network monitoring** " then validate,

To perform the service PIN (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu "6 ▸ **Maintenance** " then validate,
- ■ ⇨ Select sub-menu "5 ▸ **Service PIN** " then validate,

```
═══════════════ Servicing ═══════════O━3═
1>Info ┌───┐    PIN Service
2>Load │ i │       performed
3>Load └───┘
4>Cont    ▀▀▀Press a button.▀▀▀

     Return                    Validate
```
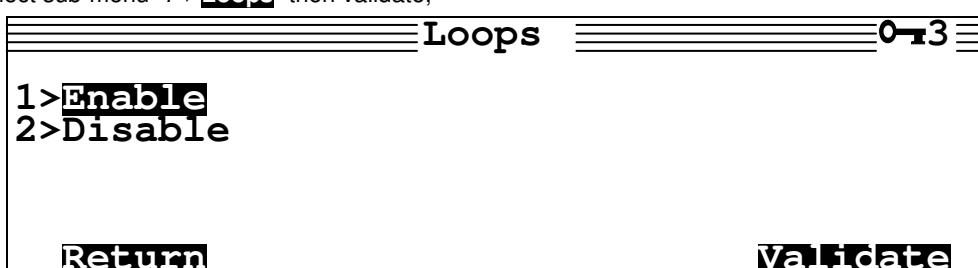
Change the language (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu "6 ▸ **Maintenance** " then validate,
- ■ ⇨ Select sub-menu "6 ▸ **Language**" then validate,

```
═══════════════ Language ═══════════O━3═
1>French
2>English


     Return                    Validate
```

To enable / disable the addressable lines (level 3 maintainer)
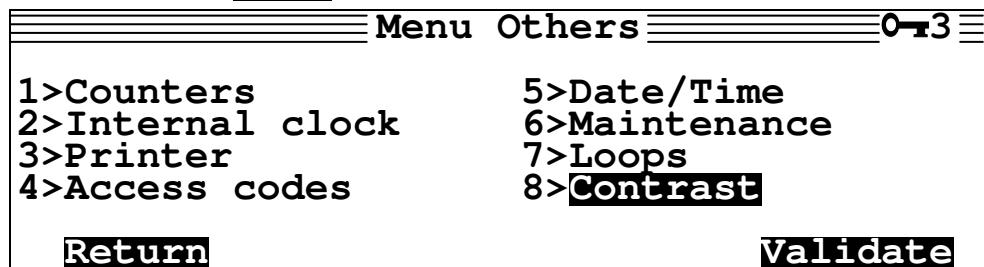
- ■ Set the panel to access level 2 in-charge or 3,
- ■ Press the "MENU" button.
- ■ Select sub-menu "4 ▸ **Others** " then validate,
- ■ Select sub-menu "7 ▸ **Loops**" then validate,

```
═══════════════ Loops ═══════════O━3═
1>Enable
2>Disable


     Return                    Validate
```
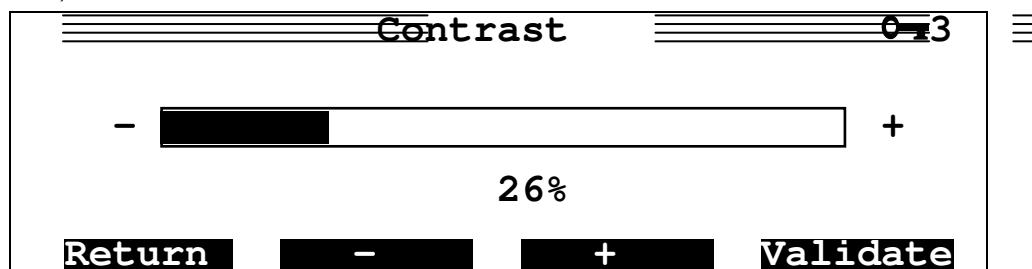
- ■ Select the retained option and follow the procedure indicated in the display,

To adjust the contrast of the display (level 3 maintainer)

- ■ ⇨ Set the control panel to access level 3 maintainer,
- ■ ⇨ Press the "MENU" button.
- ■ ⇨ Select sub-menu "4 ▸ **Others** " then validate,
- ■ ⇨ Select sub-menu "8 ▸ **Contrast** ".

```
══════════════ Menu Others ═════════ 0━3 ═

1>Counters          5>Date/Time
2>Internal clock    6>Maintenance
3>Printer           7>Loops
4>Access codes      8>Contrast

   Return                        Validate
```

- ■ Validate,

```
══════════════ Contrast ══════════ 0━3 ═

   −  ████████░░░░░░░░░░░░░░░  +

                  26%

   Return        −         +       Validate
```

- ■ Adjust the contrast with the help of the − and (▲) buttons.

INDICATIONS AND OPERATIONS RELATED TO FIRE DETECTION ZONES

Note

Fire detection information are given :

- In the display of the control panel
- On zones LED modules (fire indication for zones)

- Each indicator is dedicated to a single zone

- Each new zone in alarm is indicated by flashing.
  The indication changes from flashing to steady following a mute operation
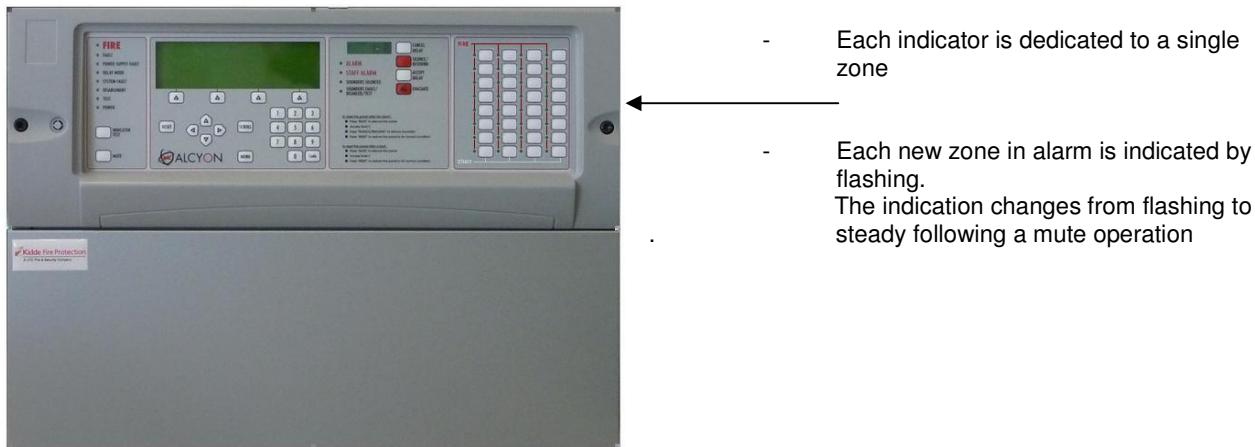
Figure 2 [PH377411]

Indications

With exception of fire, all other type of signals (prealarm, fault, disabled and test) are only given in the display

Fire indications

```
28/08 at 14:08 Call point alarm
zone       11      Warehouse
Address    02101 Entrance gate
28/08 at 14:13 Detector alarm
zone       4       Reception ground floor
Address    01004 Staircase

4 zone(s)in fire       Scroll       Instruct
```

> The information (date, time, title of event, identification of the zone and first address on alarm in the zone) associated with the first zone of the fire alarm is given in lines 1, 2 and 3 of the display.
>
> The total number of zones on fire is given in the last line of the display.

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18 of 32

Alcyon

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Pre-alarm indications

```
28/08 at 14:08 Pre-alarm detector
zone       11    Warehouse
Address   02101 Entrance gate



1 zone(s)in pre-alarm
Scroll                    Instruct
```

Fault indication

i **This information is not memorised**

```
Fault           Communication fault
zone       1    Entrance of building A
Address   01101 Point 123
Fault           Line fault
Line N.1


2 faults              Scroll
```

The total number of faults related to fire detection is given in the last line of the display.

The display indicates the origin of the fault in the first line:

- ■ Sensor
- ■ Communication
- ■ Open line
- ■ Line in short circuit…

Operations

To access the instruction related to a fire zones

- ■ Press the button (▲) located below the sub-menu "Instruct"

```
28/08 at 14:08 Call point alarm
zone       11    Warehouse
Instruction     call the fire brigade
28/08 at 14:13 Detector alarm
zone        4    Reception ground floor
Instruction     call 1234

4 zone(s)on fire   Scroll    Instruct
```

The instruction replace the address indications

In case of fire, each detection zone can be associated with an instruction made up of 25 characters

To scroll through fires

- Press the button (▲) located below the sub-menu "**Scroll**"

```
═══ First fire ═══════════════ 1/  4 ═══
28/08 at 14:08 Call point alarm
zone      11       Warehouse
Address   02101 Entrance gate
1 Address (es) on fire in the zone
Instruction      call 1234

    Return    Address    Scroll    Instruct
```

> Scrolling is done in the chronological order (from the first to the last fire)
>
> The order in which the fire alarms of the zone were activated with respect to the total number of alarm zones is given on the right hand side of the first line of the display (for example 1/4)
>
> Scrolling can also be accessed from the Scroll push button

- Press the push button (▲) located below the sub-menu "Address" to scroll through all the addresses in fire in this zone (the text of the address is indicated at every instance).

```
═══ Last fire ═══════════════ 1/  1 ═══
28/08 at 14:13  Detector alarm
zone        6       Entrance
3 Address (es) on fire in the zone
Address   03035 Door A
Address   03036 Door B
Address   03041 Door C
    Return      Zone      Scroll
```

To go back to the screen for scrolling the zones press on the push button (▲) located below the sub-menu "**Zone**"

To view the status of the zone or an address (access levels 1, 2 and 3)

- Press the "MENU" button.

```
═══════════════ Menu ═══════════════ ⌐o1 ═══

1>Fire detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Overview
4>Others

    Return                      Validate
```

- Validate (if the access is carried out at different access levels, other sub-menus are provided)

```
═══════════ State Detection ═══════ ⌐o1 ═══

1>State
2>Overview


10 zones                    45 addresses
    Return                      Validate
```
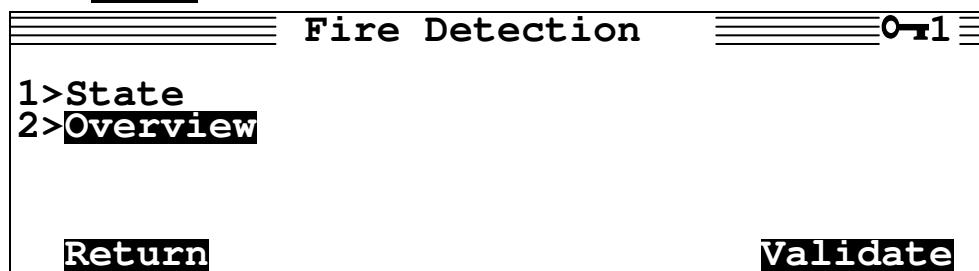
- Validate,

```
═══════════ State Detection ═══════ ⌐o1 ═══
1>One zone
2>One address


10 zones
    Return                      Validate
```

- Select the option one zone OR one address, then follow the indicated procedure

To view the overall status of all the fire detection zones (access levels 1, 2 and 3)

- Press the "MENU" button.
- Validate,
- Select "2 ▶ Overview".

```
═══════════════ Fire Detection ═══════════ 0━1 ═

1>State
2>Overview



       Return                              Validate
```
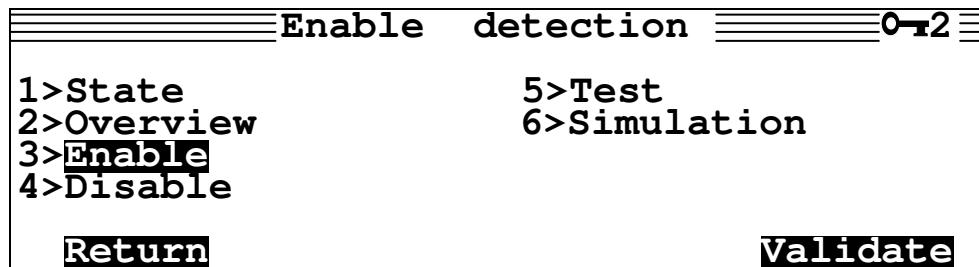
- Validate,

```
═══════════════ Overview detection ═══════ 0━1 ═
Total number of zones                            7
Number of zones in fire                          2
Number of zones in pre-alarm                     1
Number of zones in faults                        0
Number of zones disabled                         0
Number of zones in test                          1
       Return                        Scroll
```
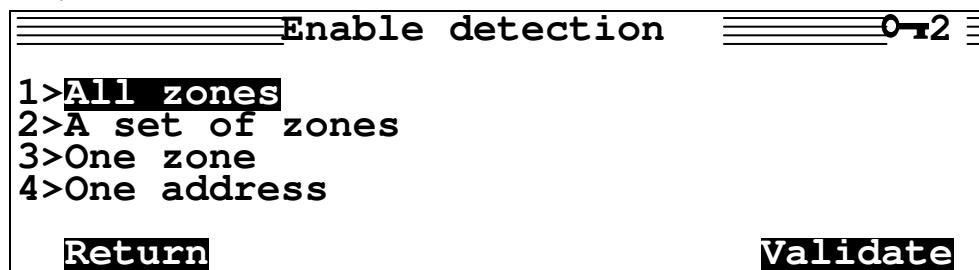
To enable (access levels 2 and 3)

- Go to access levels 2 or 3,
- Press the "MENU" button.
- Validate,
- Select "3 ▶ Enable"

```
═══════════════ Enable  detection ═══════ 0━2 ═

1>State                5>Test
2>Overview             6>Simulation
3>Enable
4>Disable
       Return                              Validate
```

- Validate,

```
═══════════════ Enable detection ═══════ 0━2 ═

1>All zones
2>A set of zones
3>One zone
4>One address

       Return                              Validate
```

- Select the proposed option, then follow the indicated procedure

To disable (access levels 2 and 3)

- Go to access levels 2 or 3,
- Press the "MENU" button.
- Validate,
- Select "4 ▶ Disable".

- Validate,

```
≣═══════ Disable detection ═══════⊙┓2 ≣

1>All zones
2>A set of zones
3>One zone
4>One address

     Return                      Validate
```

- Select the proposed option, then follow the indicated procedure

To perform a walk test (level 3)

- Go to access level 3,
- Press the "MENU" button
- Validate,
- Select "5 > Test".
- Validate,

```
≣════════ Test detection ═════════⊙┓2 ≣

1>All zones
2>A set of zones
3>One zone

     Return                      Validate
```

- Follow the indicated procedure

During the walk test, the fire alarm of a detector remains in alarm for approximately 15 seconds then the zone is automatically reset. All the detectors of a same zone can be tested one after the other. The controls associated with a functional test zone are not operated.

To perform a simulation test (levels 3 maintainer)

- Go to access level 3 maintainer,
- Press the "MENU" button
- Validate,
- Select "6 > Simulation ".
- Validate,

```
≣══════════ Simulation ═══════════⊙┓3 ≣

         Do you really want to
          Start the simulation

  Return                        Validate
```

- Follow the indicated procedure

It is possible to conduct simulation tests one zone at a time
During the simulation test, the fire alarm of the zone is simulated at the level of the panel.
The activation of simulation tests of a zone is logged as a specific event
In case of simulation in a zone, all associated command are operated excepted ancillary output.

INDICATIONS AND COMMANDS RELATED TO THE TECHNICAL ALARM DETECTION ZONES

Indications

The indications associated with the technical alarm zones are equivalent to those given for the fire detection zones

Commands

The commands associated with the technical alarm zones are equivalent to those given for the fire detection zones. They can be accessed with the help of:

- The button menu
- Sub-menu "5 ▶ **Technical alarm** ".

INDICATIONS AND COMMANDS ASSOCIATED WITH EVACUATION

Note

The indications related to evacuation are given:

- In the display of the control panel
- With the help of dedicated indicators

The commands related to evacuation are performed:

- With the help of proposed menus following an action on the button menu
- With the help of dedicated buttons

Figure 3 [PH377311]

Special signals and commands

Flashing : alert
Steady : evacuate

Flashing : delay on
Steady : delay accepted

Steady : alert or evacuate signal silenced

Flashing : fault
Steady : disablement or test

Access level 1,2 and 3
Allows to stretch delay

Access level 2 and 3
Allows to silence sounders in alert or evacuate mode AND to resound them following silencing

Access level 1, 2 and 3
during delay, allows to go immediately to alert or evacuate

Access level 2 and 3
Allows to activate sounders in evacuate mode (functional if evacuation is disabled)

*Figure 4 [PE310911]*

Signals given in the display

```
Fault            Communication fault
zone      1      Building A
Address  01101 Point 123



1 faults                        Scroll
```
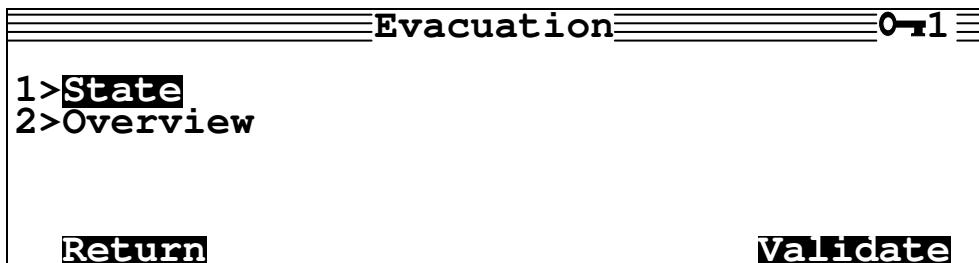
Commands performed with the push button menu

To view the status of an evacuation zone or an output (access levels 1, 2, 3)
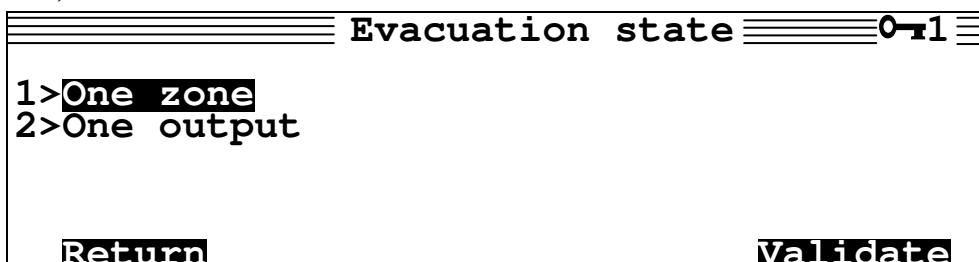
■ Press the "MENU" button

```
═══════════════Menu═══════════════O━1≡
1>Fire detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Overview
4>Others

   Return                        Validate
```

■ Select 2 > Evacuation" and validate
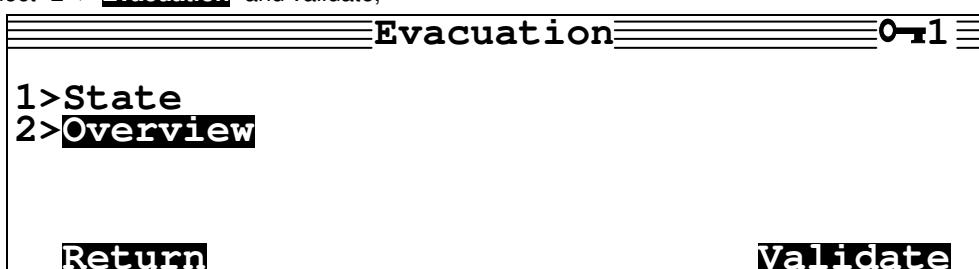
```
═════════════════Evacuation═════════O━1≣

1>State
2>Overview



   Return                          Validate
```

■ Validate,

```
═══════════════ Evacuation state══════O━1≣

1>One zone
2>One output



   Return                          Validate
```

■ Select the option one zone OR one address, then follow the indicated procedure

To view the overall status of all the evacuation zones (access levels 1, 2, 3)

■ Press the "MENU" button
■ Select "2 ▶ Evacuation" and validate,

```
═════════════════Evacuation═════════O━1≣

1>State
2>Overview



   Return                          Validate
```

■ Select "2 ▶ Overview" and validate,

```
═══════════════Evacuation overview═══O━1≣
Total number of evacuation zones     7
Number of zones delaying             2
Number of zones evacuating           0
Number of zones in faults            0
Number of zones disabled             0
Number of zones in test mode         1
   Return              Scroll
```
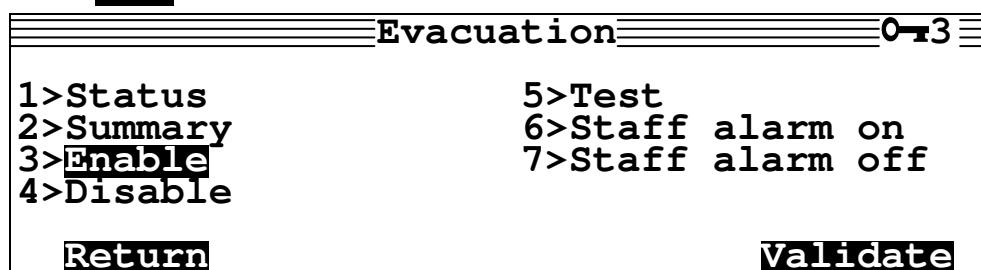
To enable the evacuation zones (level 2 or 3)

Aims:
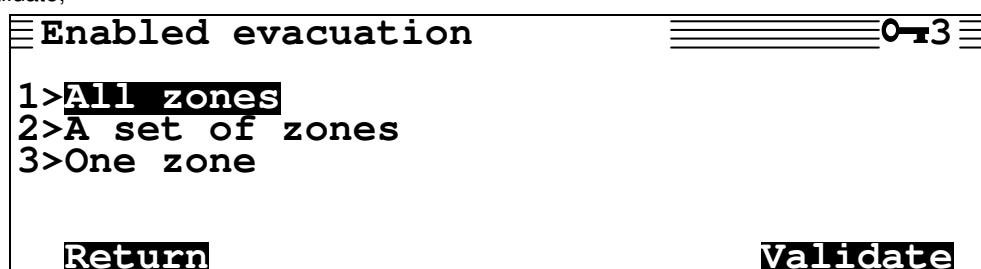
- Enable the sounders in a zone, a group of zones or all the alarm zones.

Procedure:

- Go to access levels 2 or 3,
- Press the "MENU" button
- Select "2 ▸ Evacuation".
- Validate,
- Select "3 > **Enable**".

```
╞═════════════════════Evacuation═══════════════O━3╡

1>Status            5>Test
2>Summary           6>Staff alarm on
3>Enable            7>Staff alarm off
4>Disable

   Return                            Validate
```

- Validate,

```
≡Enabled evacuation                 ═══════════O━3≡

1>All zones
2>A set of zones
3>One zone


   Return                            Validate
```

- Follow the given procedure
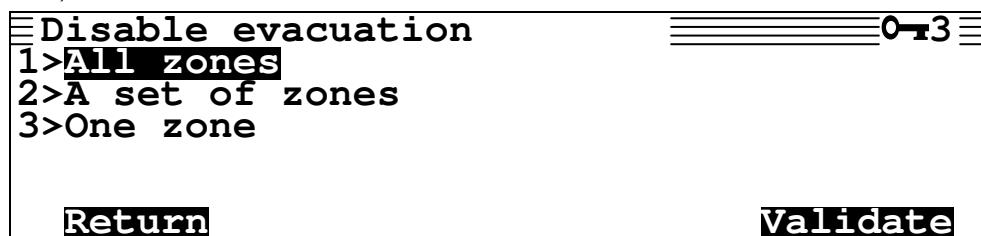
To disable the evacuation zones (level 3)

Aims:

- Disable the sounders in a zone, a group of zones or all the alarm zones.

Procedure:

- Go to access level 3,
- Press the "MENU" button
- Select "2 > Evacuation".
- Validate,
- Select "4 > **Disable**".
- Validate,

```
≡Disable evacuation                 ═══════════O━3≡
1>All zones
2>A set of zones
3>One zone


   Return                            Validate
```

- Follow the given procedure

Testing (levels 2 (according to the site configuration) and 3)

Procedure:

- Go to access levels 2 or 3,
- Press the "MENU" button
- Select "2 ▸ Evacuation".
- Validate,
- Select "7> Test".
- Validate,

```
☰ Test evacuation          ══════════O━┓3☰

1>All zones
2>A set of zones
3>One zone


   Return                            Validate
```

> When an evacuation zone which is in test receives a command from a detection zone under test, sirens are operated 5 seconds in the alert mode(if programmed) and then 5 seconds in the evacuate mode

To enable the staff alarm (level 2 or 3)

Procedure:

- Go to access levels 2 or 3,
- Press the "MENU" button
- Select "2 ▸ Evacuation".
- Validate,
- Select "6> **Staff alarm on**".

```
═══════════════Evacuation═══════════O━┓2☰

1>Status              5>Test
2>Summary             6>Staff alarm on
3>Enable              7>Staff alarm off
4>Disable

   Return                            Validate
```
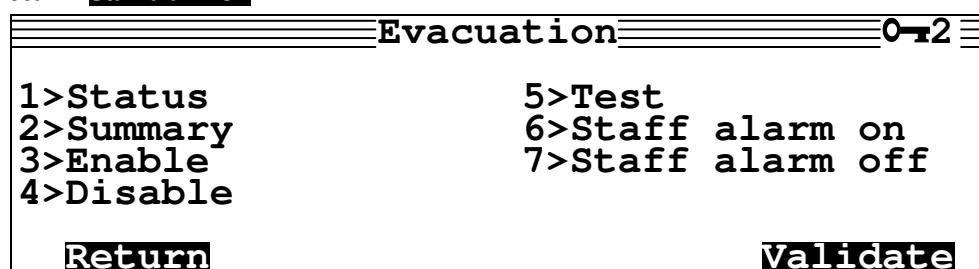
- Validate,

```
☰Staff alarm ON            ═══════════O━┓2☰

1>All zones
2>A set of zones
3>One zone


   Return                            Validate
```
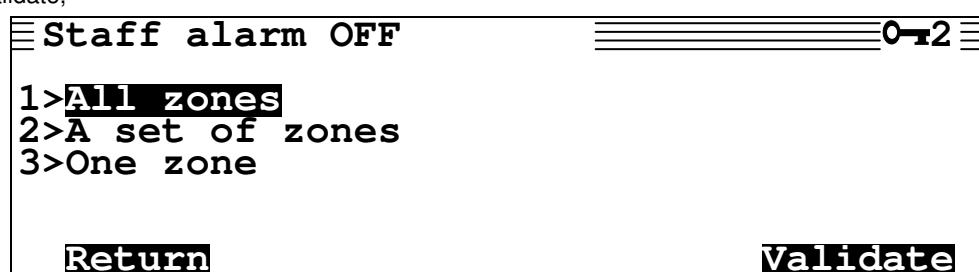
To disable the staff alarm (level 2 or 3)

Procedure:

- Go to access levels 2 or 3,
- Press the "MENU" button
- Select "2 ▸ Evacuation".
- Validate,
- Select "7> Staff alarm off".

```
╔══════════════Evacuation═════════════O━2═╗
║                                         ║
║ 1>Status              5>Test            ║
║ 2>Summary             6>Staff alarm on  ║
║ 3>Enable              7>Staff alarm off ║
║ 4>Disable                               ║
║                                         ║
║    Return                     Validate  ║
╚═════════════════════════════════════════╝
```

- Validate,

```
╔═Staff alarm OFF ═══════════════════O━2═╗
║                                        ║
║ 1>All zones                            ║
║ 2>A set of zones                       ║
║ 3>One zone                             ║
║                                        ║
║    Return                    Validate  ║
╚════════════════════════════════════════╝
```

INSTRUCTIONS FOR OPERATION

IN CASE OF A FIRE ALARM

The general red FIRE indicator lights up steadily.
The display indicates the information.
The buzzer produces a continuous sound.

APPLY THE SECURITY INSTRUCTIONS OF THE ORGANIZATION.
STOP THE BUZZER BY PRESSING THE "mute" BUTTON.

IN CASE OF A FAULT

The yellow FAULT indicator lights up steadily.
A yellow indicator or the display enables to identify the main defects
The buzzer produces a pulsed sound.

STOP THE SOUNDER BY PRESSING THE "mute" BUTTON.
FIND OUT THE CAUSE of the fault.

Finally call the technical service for information or intervention at XXXXXXXXX.

RESET

THE RESET CONTROL IS OPERATED BY SKILLED PERSONNEL AT ACCESS LEVEL 2

TO ORDER OR STOP AN EVACUATION PROCESS

To extend the Staff alarm delay before the evacuation command (the "delay active" indicator is flashing slowly)
⇨ Press the "ACCEPT DELAY" button
The "delay active" indicator becomes steady

To start evacuation:
⇨ Set the panel to access level 2
⇨ Press the "EVACUATE" button
The "alarm" indicator becomes steady

To stop evacuation
⇨ Set the panel to access level 2
⇨ Press the "SILENCE / RESOUND" button.
The "alarm" indicator light turn off
The "sounders silence" indicator turn on steadily
The sounders can the be restarted by pressing again the "silence / resound" button.

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