

CMSI.COM

Addressable fire protection control unit



OPERATING MANUAL

WARNING

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Our company cannot accept any responsibility for the misuse of or failure to follow the information contained in this document.

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INSTRUCTIONS FOR USE

FIRE ALARM		FAULT	
Red FIRE light(s) lit buzzer sounding continuously		Yellow FAULT light(s) lit buzzer sounding intermittently	
Stop the buzzer with the button	STOP ACOUSTIC SIGNALS	Stop the buzzer with the button	STOP ACOUSTIC SIGNALS
Find the origin of the fire and apply your company's security instructions		Find and remove the cause of the fault	
Regulations :			
Access levels for use and maintenance of the Fire Protection System relate to the level of competence of the user			
Level I : responsible for supervision			
Level II : responsible for security in particular			
Level III : maintenance and checks			
Every detection system must be covered by a maintenance contract with a qualified installer.			
Personnel responsible for the maintenance of a Fire Protection System must be trained to follow the procedure laid down by the manufacturer for each item of equipment.			

Putting the system back on standby should be carried out by a competent person with level 2 access.

TO ORDER OR STOP AN EVACUATION

To command an evacuation :

Press the "EVACUATION" button for 3 seconds.

To stop an automatic evacuation :

Set the panel to access level 2 and push the "STOP PROCESS" button. The "ALARM" light will go out (This is possible only if the EVACUATION indicator is off).

1. Description

1.1. General principles

WARNING

The panels operates on the basis of access levels

Level 1

It allows the user to carry out commands which do not alter the status of the control unit (silence audible indications, testing of indications,...)

Level 2

It allows a user to carry out normal operating procedures (enabling detection zones, disabling detection zones, resetting, ...)

Level 3

It is reserved for the installer / maintainer and enables the use of commands connected with maintenance and setting.

Level 1 is included in level 2.

Level 2 is included in level 3.

Levels 2 & 3 are accessed via a code.

The following codes are available :

- A level 2 code "user",
- A level 2 code "responsible",
- A level 3 code "user maintenance",
- A level 3 code "maintenance".

If not used for more than 30 seconds the CMSI.Com automatically returns to access level 1.

When a correct code is entered, the control unit emits two beeps and the current level of access is indicated on the upper right of the screen.

Each time a button is pressed it emits a brief beep.

If an operation not authorised by the current access level is requested, the screen will ask for the correct code to be entered.

With the exception of power failures and position faults, for fire protection features which reset as soon as they disappear, all fires and faults are memorised.

During operation, pressing the "return" button on the contextual menu on the last line on the left will recall the previous display.

Should an incident occur during an operation, the control unit will quit the current menu and directly display the incident.

☛ **Important** : The immediate display of events is carried out in the following order of priority :

- 1- Fire,
- 2- Protection / Evacuation,
- 3- Test zone + Fire,
- 4- Fault,
- 5- Command

If a fire is detected the following type of screen is displayed : (CMSI type B) :

```

28/08 a 15:31 Call point activated
Zone      1      Ground floor warehouse
Address   01101  Main entrance

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

1.2. Description of command

The buttons for command are split into 6 groups :

- 1 – dedicated buttons for every day simple operations :
 - SILENCE,
 - INDICATOR TEST,
 - CODE.
- 2 – buttons linked to a menu on the display :
 - RESET,
 - EVENTS.
- 3- advanced functions accessible by the "MENU" button.

```

Menu 0-1
1>Fire Detection      5>Fire protection
2>Evacuation          6>Technical alarm
3>Logging             7>Extinguishing
4>Others              8>Overview

Return Confirm
  
```

☛ **Note** : only options 1 ▶ Fire detection, 2 ▶ Evacuation, 3 ▶ Logging, 4 ▶ Others, 5 ▶ Fire protection and 8 ▶ Overview are active.

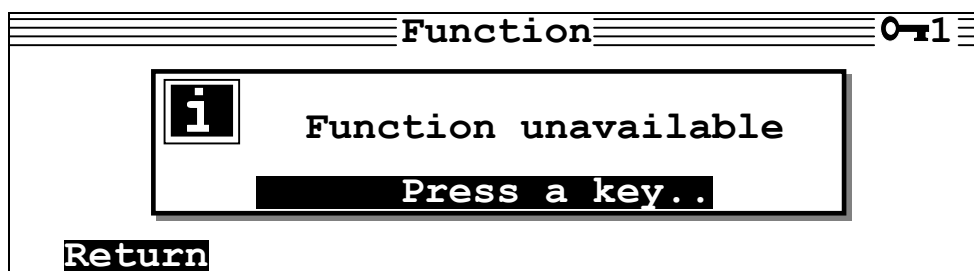
4 – a numeric keypad (buttons 0 to 9).

5 – scrolling buttons ◀ ▲ ▼ ▶ allowing movement of the cursor (shadowed area) within the display.

6 – a row of buttons ▲ ▲ ▲ ▲ just below the display allowing selection of items on the contextual menu on the last line of the display.

1.3. Unavailable function

Should an unavailable function that is displayed in the menu be selected, the following screen is displayed :



2. List of Functions

FUNCTION	LEVEL 1	LEVEL 2 USER	LEVEL 2 RESPONSIBLE
----------	---------	-----------------	------------------------

GENERAL FUNCTIONS

Silence buzzer	✓	✓	✓
Test indicators	✓	✓	✓
Overview	✓	✓	✓
Scrolling	✓	✓	✓
Check	✓	✓	✓
Status	✓	✓	✓
Resetting		✓	✓
Changing the date and time			✓

FUNCTIONS FOR FIRE DETECTION ZONES (CMSI TYPE B)

View	✓	✓	✓
Review	✓	✓	✓
Enablement		✓	✓
Disablement		✓	✓

FUNCTIONS FOR EVACUATION ZONES

Condition	✓	✓	✓
Review	✓	✓	✓
Activating sirens		✓	✓
De-activating sirens			
Automatic on		✓	✓
Automatic off		✓	✓

3. Generals command

3.1. Silence buzzer(Access levels 1, 2 and 3)

Aim :

- ⇒ Stopping the audible signals

Procedure :

- ⇒ Press the button "SILENCE"

3.2. Test indicators (access levels 1, 2 and 3)

Aim :

- ⇒ Test all audible and visual indicators

Procedure :

- ⇒ Press the button "INDICATORS TEST"

3.3. Overview (access levels 1, 2 and 3)

Aim :

- ⇒ Show the general condition of the panel

Procedure :

- ⇒ Press the "MENU" button
- ⇒ Select "8 ▶ Overview".

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return		Confirm

- ⇒ Confirm,

Overview		0-1
Total number of zones		6
Number of zones on fire		6
Number of faults		3
Number of disabled zones		1
Number of zones on test		0
Return		

3.4. Scrolling (access levels 1, 2 and 3)

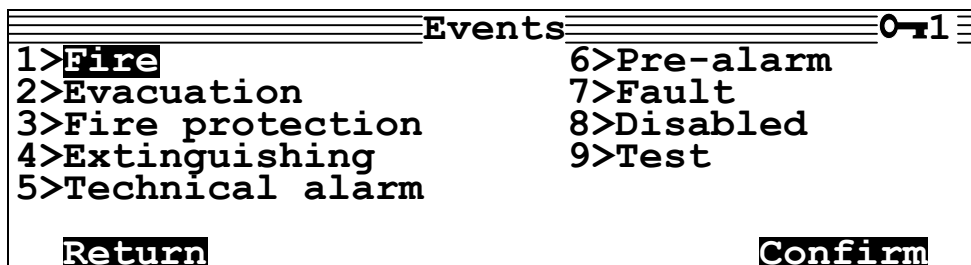
3.4.1. General command

Aim :

⇒ Show information which are not displayed

Procedure :

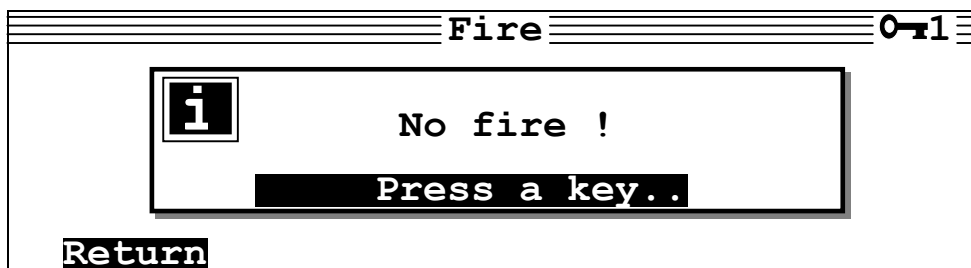
⇒ Press the "EVENTS" button (the cursor goes directly to option "1 ▶ Fire").



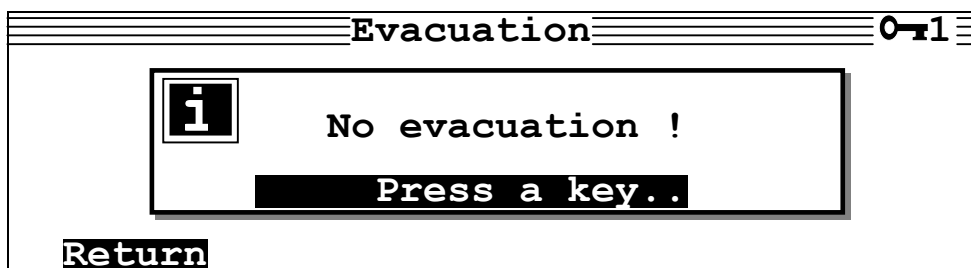
➤ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

3.4.2. Screens displayed in the absence of events

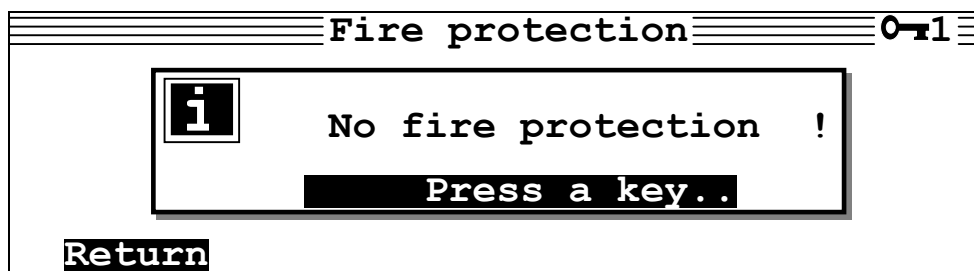
If the menu "1 ▶ Fire" is selected and there is no "Fire" detected, the following screen appears :



If menu "2 ▶ Evacuation" is selected and there is no evacuation in progress, the following screen appears :

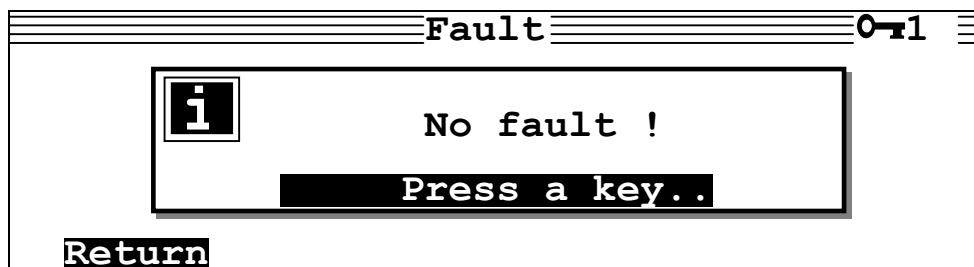


If the menu "3 ▶ Fire protection" is selected and there is no fire protection activated, the following screen appears :

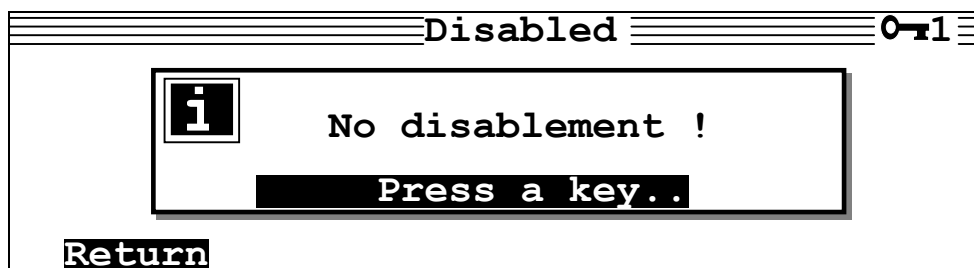


☛ * **Note** :At present, menus 4 ▶ Extinction, 5 ▶ Technical alarm and 6 ▶ Pre-alarm, are non operational.

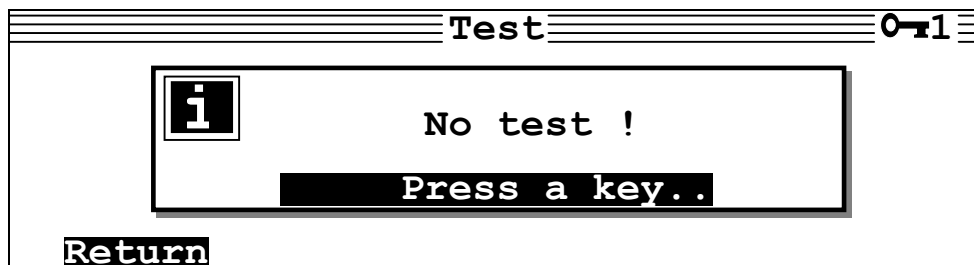
If the menu "7 ▶ Fault" is selected and there is no fault, the following screen appears



If the menu "8 ▶ Disabled" is selected and there is currently no area Disabled, the following screen appears :



If the menu "9 ▶ Test" is selected and there is no test in progress, the following screen appears :



3.4.3. Fire displays

Aim :

- ⇒ Show the zone on fire,
- ⇒ Show the addresses on fire within a zone.

Procedure :

- ⇒ Press the "EVENTS" button,
- ⇒ Select option "1 ▶ Fire".

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

- ⇒ Confirm

Last Fire		1/	1
08/08 a 15:31 Call point activated			
Zone	1	Zone addressed	1
Address	01101	Point	101
1 Address(es) on fire in the zone			
Return	Address	Scroll	Orders

☛ For further information see § 14 – Indications & commands for fire detection zones.

3.4.4. Display of evacuation zones in evacuation

Aim :

⇒ To view alarm evacuation zones currently being evacuated

Procedure :

- ⇒ Press the "EVENTS" button
- ⇒ Select option "2 ▶ Evacuation".

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

⇒ Confirm

Evacuation activated		1/ 1
Zone 1 Evacuation xxxx		
Number of zone on evacuation 1		
Return	Next	Screen

⇒ Display a point in fire mode.

Evacuation alarm		1/ 1
Zone 1 Evacuation xxxx		
Number of zone on alarm 1		
Return	Next	Screen

☛ **For further information** see evacuation functions (§ 15 - Indications and commands for evacuation zone).

3.4.5. Displaying fire protection function in operation

Aim :

- ⇒ To show fire protections activated, their state and those of the OSDs controlled.

Procedure :

- ⇒ Press the "EVENTS" button
 ⇒ Select option "3 ▶ Fire protection".

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

- ☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

- ⇒ Confirm,

Fire Protection Actuated		1/ 1
Function 3	Function xxx	
Number of zone on fire protection		1
Return	Details	Next Screen

- ⇒ Details,

Fire Protection Actuated		1/ 1
Function 3	Function xxx	
All OSD in safety position		
Number of zone on fire protection		1
Return	Zone	

3.4.6. Displaying faults

Aim :

⇒ To show faults.

Procedure :

- ⇒ Press the "EVENTS" button
- ⇒ Select option "7 ▶ Fault".

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

⇒ Confirm,

Fault Fire Protection		1/ 5
Function 3	Function www	
Function 5	Function xxx	
Function 6	Function yyy	
Function 9	Function zzz	
Communication fault CF N.2		
5 Fault (s)		
Return	Details	Next Screen

☛ **Note :** "Next" moves down one line; when the number of faults present is greater than that which can be displayed on a single screen, "Screen" allows the next set of faults to be displayed by jumping to the next screen.

⇒ Details,

Fault Fire Protection		1/ 5
Function 3	Function www	
Communication fault		
1 Fault on the OSD in the zone		
Return	OSD +	Fault

A

"OSD +" displays screen B

⇒ Fault,

Fault Fire Protection		1/	5
Function 3	Function www		
Safety ctrl line on OC			
3 OSD fault(s)			
Return	Fault +	OSD	

"OSD" displays screen **A**

⇒ Fault +,

Fault Fire Protection		1/	5
Function 3	Function www		
OSD line on OC			
3 OSD fault (s)			
Return	Fault -	Fault +	OSD

"OSD" displays screen **A**

⇒ Fault +,

Fault Fire Protection		1/	5
Function 3	Function www		
OSD on position fault			
3 OSD fault (s)			
Return	Fault -	OSD	

"OSD" displays screen **A**

⇒ OSD +,

Fault Fire Protection		1/	5
Function 3	Function www		
OSD 17 Voie 3.1			
Communication fault			
1 Fault on the OSD in the zone			
Return	OSD -	Fault	

B"OSD -" displays screen **A**

⇒ Fault,

Fault Fire Protection			1/	5
Function 3		Function www		
OSD	17	Line 3.1		
Communication fault				
1 OSD fault(s)				
Return		OSD		

"OSD" displays screen **A**

- The order of priority for the displaying of faults is : "Fire detection" ⇒ "Evacuation" ⇒ "Fire protection" ⇒ "Others".
-

3.4.7. Displaying disabled zones

Aim :

- ⇒ To see what is currently "Disabled".

Procedure :

- ⇒ Press the "EVENTS" button
⇒ Select option "8 ▶ Disabled"

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

- ☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

- ⇒ Confirm,

Disabled		1/ 1
Zone 1	Zone addressed 1	
Number of disabled zones 1		
Return	Next	Screen

- Pressing the contextual menu button "Screen" displays the full events screen again.

3.4.8. Displaying tests

Aim :

⇒ To show tests in progress.

Procedure :

- ⇒ Press the "EVENTS" button
- ⇒ Select option "9 ▶ Test".

Events		0-1
1>Fire	6>Pre-alarm	
2>Evacuation	7>Fault	
3>Fire protection	8>Disabled	
4>Extinguishing	9>Test	
5>Technical alarm		
Return	Confirm	

☛ **Note :** Only menus 1 ▶ Fire, 2 ▶ Evacuation, 3 ▶ Fire protection, 7 ▶ Fault, 8 ▶ Disabled and 9 ▶ Test are operational.

⇒ Confirm,

Test Fire Detection		1/ 1
Zone 1	Zone addressed 1	
Number of zones on test 1		
Return	Next	Screen

3.5. Resetting (level 2 and 3)

Aim :

- ⇒ Resetting :
 - Fires,
 - Faults,
 - Fire protection.

Procedure :

- ⇒ If necessary, pass to level 2 or 3.(Cf. 3.7 Entering a code),
- ⇒ Press the "RESET" button then select the type of reset required 1,2 or 3.

Reset		0-12
<div style="margin-bottom: 10px;"> 1>Fire(s) 2>Fault(s) 3>Fire protection </div> <div style="display: flex; justify-content: space-between;"> 1 Fire(s) 5 Fault(s) 0 MES </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Return Confirm </div>		

- ⇒ Confirm.

Note :

If the Fire reset is not carried out, check and if necessary have the relevant general detection zone put back into operating condition (connections – equipment) by suitably qualified technical support personnel.

1. Disable the relevant detection zone then, enable and check that the relevant general detection zone is operational,
2. If faults are signalled, carry out a fault reset and, if necessary have the relevant general detection zone put back into operating condition (connections – equipment) by suitably qualified technical support personnel.

3.6. Changing the date and time (access level 2 and 3)

Aim :

- ⇒ Setting the date and time.

Procedure :

- ⇒ If necessary, pass to level 2 or 3,
- ⇒ Press the "MENU" button.

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return		Confirm

- ⇒ Confirm,

Menu Others		0-2
1>Counters	5>Date/Time	
2>Internal clock	6>Maintenance	
3>Printer	7>Addressed lines	
	8>Contrast	
Return		Confirm

- ⇒ Confirm,

Date/Time		0-2
Date :	14 / 08 / 02	
Hour :	11 : 23 : 34	
Return		Correct Confirm

- ⇒ Confirm.

☛ **Note :** The field to be changed will flash. To change it, enter the new figure using the numerical keypad and confirm using the "confirm" button on the contextual menu. If the figure is not to be changed, press the "confirm" button to move directly to the next field.

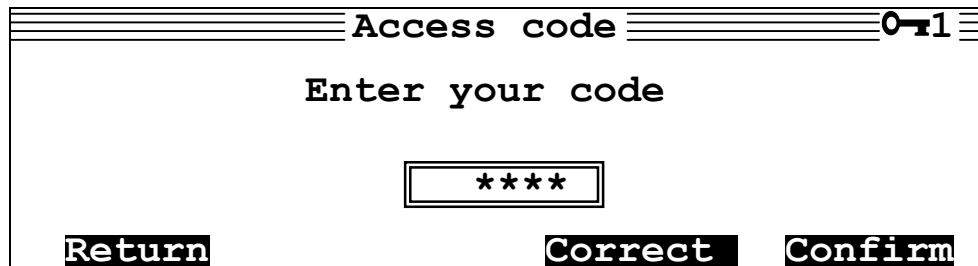
3.7. Entering a code

Aim :

- ⇒ Entering a level 2 code.

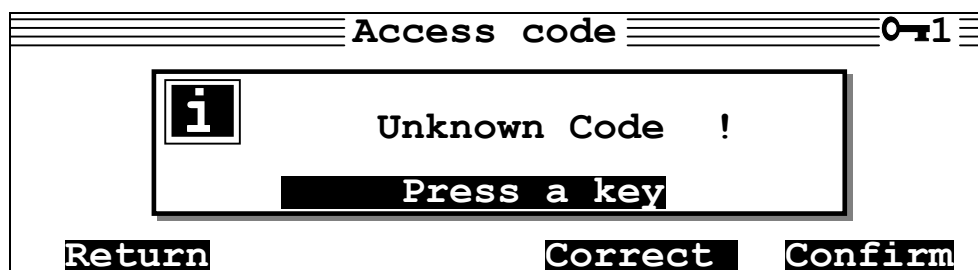
Procedure :

- ⇒ Press the "Code" button and enter your code.



- ⇒ Confirm.

If the code is wrong , the following screen is displayed.



Please, enter the right code.

⇒

3.8. Using the STATUS CHECK button

After pressing the STATUS CHECK button, the green STATUS lights of the Fire Protection area on the front of the unit should, for each function **with position control** :

- Remain illuminated for several seconds if that fonction is in waiting position
- Otherwise remain off

4. Fire detection functions

☛ **Note** : only applies to CMSI type B (non NF)

4.1. View of a zone or an address (levels 1, 2 and 3)

Aim :

⇒ To find out the condition of a fire detection zone or an address.

Procedure :

⇒ Press the "MENU" button.

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

⇒ Confirm,

Fire Detection		0-1
1>State		
2>General state		
Return	Confirm	

⇒ Confirm,

State Detection		0-1
1>Per zone		
2>Per address		
1 Zone (s)	2 Address (es)	
Return	Confirm	

4.2. Overview of all fire detection zones (levels 1, 2 and 3)

Aim :

- ⇒ To give an overall view of the state of fire detection zones.

Procedure :

- ⇒ Press the "MENU" button.

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,

- ⇒ Select "2 ▶ Review".

Fire Detection		0-1
1>State		
2>General state		
Return	Confirm	

- ⇒ Confirm,

General state Detection		0-1
Total number of zones	7	
Number of zones on fire	2	
Number of pre-alarm	0	
Number of faults	0	
Number of disabled zones	0	
Number of zones on test	1	
Return	Scroll	

4.3. Enablement (level 2 and 3)

Aim :

- ⇒ To enable a zone, a group of zones, all zones or an address in a fire detection zone.

Procedure :

- ⇒ Go to access level 2 or 3,
⇒ Press the "MENU" button.

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
⇒ Select "3 ▶ Activate".

Fire Detection		0-2
1>State	5>Test	
2>General state		
3>Enablement		
4>Disablement		
Return	Confirm	

- ⇒ Confirm,

Enablement Detection		0-2
1>Of all zones		
2>Per zones group		
3>Per zone		
4>Per address		
Return	Confirm	

4.4. Disablement (level 2 and 3)

Aim :

- ⇒ To disable a zone, a group of zones, all zones or an address in a fire detection zone.

Procedure :

- ⇒ Go to access level 2 or 3,
⇒ Press the "MENU" button.

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
⇒ Select "4 ▶ Disablement".

Fire Detection		0-2
1>State	5>Test	
2>General state		
3>Enablement		
4>Disablement		
Return	Confirm	

- ⇒ Confirm,

Disablement Detection		0-2
1>Of all zones		
2>Per zones group		
3>Per zone		
4>Per address		
Return	Confirm	

4.5. Test (level 2 depending upon site configuration and 3)

Aim :

- ⇒ To test a zone, a group of zones, all zones or an address in a fire detection zone.

Procedure :

- ⇒ Go to access level 2,
⇒ Press the "MENU" button.

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
⇒ Select "5 ▶ Test".

Fire Detection		0-2
1>State	5>Test	
2>General state		
3>Enablement		
4>Disablement		
Return	Confirm	

- ⇒ Confirm,

Test Detection		0-2
1>Of all zones		
2>Per zones group		
3>Per zone		
Return	Confirm	

5. Evacuation functions

☛ **Note :** *Cf. § 17.1 - Using the CF4ZA LON FTT module and § 17.2.- Using the CF8-2ZA LON FTT module*

These commands can be accessed :

- On the screen, and / or
- By the buttons on the evacuation operator interface

5.1. Button commands

COMMAND	LEVEL	ACTION - PROCEDURE - CONDITION - CONSEQUENCE
EVACUATION	1, 2 and 3	<p>Activates the sirens circuit output and the auxiliary contact.</p> <p>To function this button must be pressed continuously for 3 seconds minimum.</p>
CANCEL PROCESS	2	<p>Cancels the automatic evacuation command (the alarm indicator goes off)</p> <p>Procedure :</p> <ul style="list-style-type: none"> • Go to level 2 or 3, • Press the "cancel process" button, the alarm indicator goes off. <p>The system remains available for another alarm if a new zone passes into Fire mode or if there is a manual command.</p> <p>This command is inactive when the evacuation light is illuminated.</p>
AUTOMATIC ON / AUTOMATIC OFF	2	<p>Puts an evacuation zone in :</p> <ul style="list-style-type: none"> • Automatic on mode of operation : commands coming from detection zones and the manual command are active • Automatic off mode of operation : commands coming from detection zones are inactive, command from the manual command is active <p>Procedure :</p> <ul style="list-style-type: none"> ▪ Go to access level 2 or 3, ▪ Press the "AUTOMATIC ON / AUTOMATIC OFF" button to go from one state to the other <p>This command is inactive when alarm or evacuation indicators are on.</p>

5.2. Screen commands

5.2.1. View of a zone or an address (levels 1, 2 and 3)

Aim :

⇒ To find out the condition of an evacuation zone or an address..

Procedure :

- ⇒ Press the "MENU" button,
- ⇒ Select "2 ▶ Evacuation".

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

⇒ Confirm,

Evacuation		0-1
1>State		
2>General state		
Return	Confirm	

⇒ Confirm,

State Evacuation		0-1
1>Per zone		
2>Per OSD		
Return	Confirm	

5.2.2. Overview (levels 1, 2 and 3)

Aim :

- ⇒ To have an overview of all evacuation zones.

Procedure :

- ⇒ Press the "MENU" button,
- ⇒ Select "2 ▶ Evacuation".

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
- ⇒ Select "2 ▶ Review".

Evacuation		0-1
1>State		
2>General state		
Return	Confirm	

- ⇒ Confirm,

General state Evacuation		0-1
Total number of zones		7
Number on alarm		2
Number on evacuation activated		0
Number on fault		0
Number disabled		0
Number on test		1
Return	Scroll	

5.2.3. Automatic on (level 2 and 3)

Aim :

- ⇒ To put a zone, a group of zones or all zones in automatic and manual mode of operation (a fire alarm or a manual command can order an evacuation).

Procedure :

- ⇒ Go to access level 2,
- ⇒ Press the "MENU" button,
- ⇒ Select "2 ▶ Evacuation".

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
- ⇒ Select "3 ▶ General standby".

Evacuation		0-2
1>State		
2>General state		
3>Automatic and manu	7>Test	
4>Manual mode		
Return	Confirm	

- ⇒ Confirm,

Automatic and manual mode Evacuation		2
1>Of all zones		
2>Per zones group		
3>Per zone		
Return	Confirm	

5.2.4. Automatic off (level 2 and 3)

Aim :

⇒ To put a zone, a group of zones or all zones in automatic off mode of operation (only a manual command can order an evacuation) .

Procedure :

- ⇒ Go to access level 2,
- ⇒ Press the "MENU" button,
- ⇒ Select "2 ▶ Evacuation".

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
- ⇒ Select "4 ▶ Limited standby".

Evacuation		0-2
1>State		
2>General state		
3>Automatic and manu	7>Test	
4>Manual mode		
Return	Confirm	

- ⇒ Confirm,

Manual mode Evacuation		0-2
1>Of all zones		
2>Per zones group		
3>Per zone		
Return	Confirm	

5.2.5. Test (level 2 (depending upon site configuration) and 3)

Aim :

⇒ To put a zone, a group of zones or all evacuation zones in test mode.

☛ **Remember :** in Test the following is processed :

1. If a fire detection zone controlling the evacuation zone is enabled and in fire condition : the sirens outputs can be stopped at any time by pressing the CANCEL PROCESS button.
2. If a fire detection zone controlling the evacuation zone is in test mode and in fire condition : the sirens outputs operate for approximately 3 seconds.

Procedure :

- ⇒ Go to access level 2 or 3,
- ⇒ Press the "MENU" button,
- ⇒ Select "2 ▶ Evacuation".

Menu		0-12
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
- ⇒ Select "7 ▶ Test".

Evacuation		0-12
1>State		
2>General state		
3>Automatic and manu	7>Test	
4>Manual mode		
Return	Confirm	

- ⇒ Confirm,

Test Evacuation		0-12
1>Of all zones		
2>Per zones group		
3>Per zone		
Return	Confirm	

6. Logging functions (level 2 and 3)

6.1. Events and commands

Aim :

- ⇒ Consult all past events (fire, technical alarms, faults, activations, de-activations, tests) and commands carried out on the panel during a specified time period.

Procedure :

- ⇒ Go to access level 2,
- ⇒ Press the "MENU" button,
- ⇒ Select "3 Logging".

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,

Logging		0-2
1>Events and command		
Return	Confirm	

- ⇒ Confirm,

Events and command		0-2
1>General	5>Off	
2>Fires	6>Test	
3>Technical alarm	7>Commands	
4>Fault		
Return	Confirm	

- ⇒ Confirm,

Logging		4/ 5
12/09 to 15:26 End of ctrl line connect		
Function 3	Function xxx	
OSD 3	Track yyy	
17/09 to 10:12 Fire detection test		
of all zones		
operator 3	UT N.1	
Return	Print	Scroll Screen

6.2. Latest versions of software

Available in the future.

6.3. Latest changes to the configuration

Available in the future.

REVISED : 14/11/2003
DOCUMENT : ME A300151
EDITION : 0001

ADDRESSABLE FIRE
PROTECTION CONTROL UNIT

ME315101.DOC



7. Others

7.1. Counters

Available in the future.

7.2. Internal clock

Available in the future.

7.3. Printer (access level 2 responsible)

Aim :

- ⇒ Turn On/Off and change printing direction of the Printer.

Procedure :

- ⇒ Go to level 2 responsible,
- ⇒ Press the "MENU" button,
- ⇒ Select "4 ▶ Others".

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
<div style="display: flex; justify-content: space-between; margin-top: 10px;"> Return Confirm </div>		

- ⇒ Confirm,
- ⇒ Select "3 ▶ Printer".

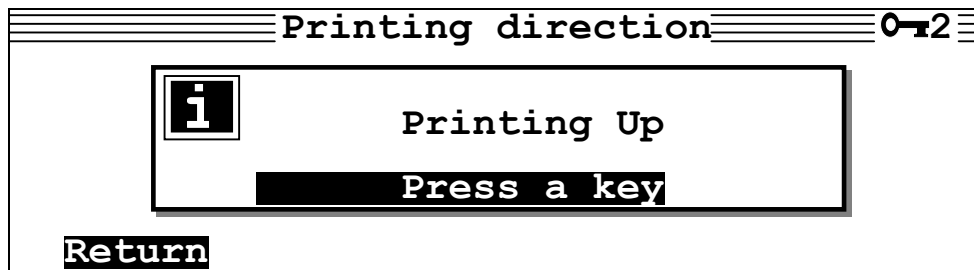
Menu Others		0-2
1>Counters	5>Date/Time	
2>Internal clock		
3>Printer		
4>Codes value		
<div style="display: flex; justify-content: space-between; margin-top: 10px;"> Return Confirm </div>		

- ⇒ Confirm,

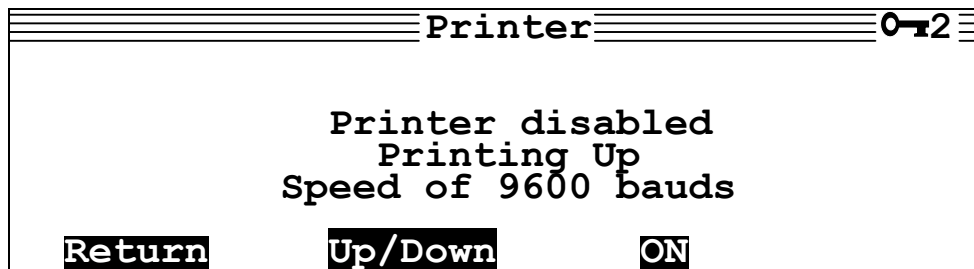
Printer		0-2
Printer disabled Printing Down Speed of 9600 bauds		
<div style="display: flex; justify-content: space-around;"> Return Up/Down ON </div>		

7.3.1. Changing the printing direction

⇒ Press "Direction (▲)",

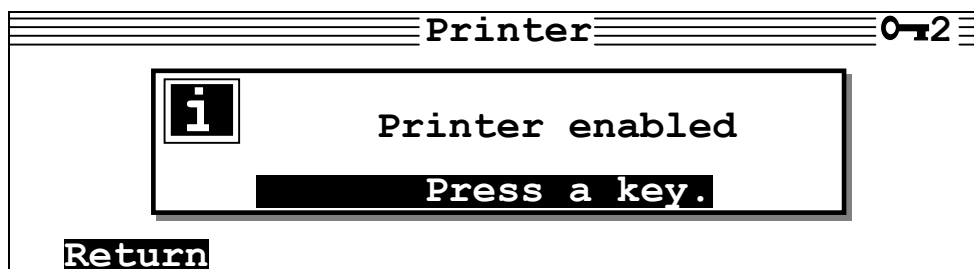


⇒ Selecting "3 ▶ Printer" displays "Printer" screen,
Printing direction is inverted.

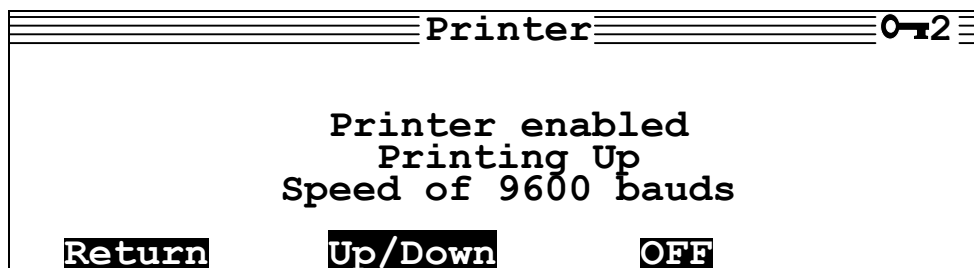


7.3.2. Turning On/Off the printer

⇒ Press "ON (▲)",



⇒ Selecting "3 ▶ Printer" displays "Printer" screen,
Printer is On.



7.4. Codes

Available in the future.

7.5. Date/Time

See above ([Cf. 3.6 Changing the date and time \(access level 2 and 3\)](#)).

8. Fire protection functions

8.1. View (access levels 1, 2 and 3)

Aim :

- ⇒ To consult the state of fire protection functions by zone or address.

Procedure :

- ⇒ Press the "MENU" button,
⇒ Select "5 ▶ Fire protection".

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,

Fire protection		0-1
1>State		
2>General state		
Return	Confirm	

- ⇒ Confirm,

State		0-1
1>Per Function		
2>Per OSD		
Return	Confirm	

8.2. Overview (access levels 1, 2 and 3)

Aim :

- ⇒ Review the general state of all fire protection functions carried out.

Procedure :

- ⇒ Press the "MENU" button,
- ⇒ Select "5 ▶ Fire protection".

Menu		0-1
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
- ⇒ Select "2 ▶ Review".

Fire protection		0-1
1>State		
2>General state		
Return	Confirm	

- ⇒ Confirm,

General state MES		0-1
Total number of zones	7	
Number of functions actuated	2	
Number of functions in error	0	
Number of functions activated	0	
Number on fault	0	
Number disabled	1	
Return		

8.3. Automatic on (access level 2 and 3)

Aim :

- ⇒ To configure a fire protection function in an automatic and manual mode of operation.

Procedure :

- ⇒ Go to access level 2,
 ⇒ Press the "MENU" button,
 ⇒ Select "5 ▶ Fire protection".

Menu		0-2
1>Fire Detection	5>Fire protection	
2>Evacuation	6>Technical alarm	
3>Logging	7>Extinguishing	
4>Others	8>Overview	
Return	Confirm	

- ⇒ Confirm,
 ⇒ Select "3 ▶ Automatic manual control".

Fire protection		0-2
1>State		
2>General state		
3>Automatic and Manu		
4>Manual mode		
Return	Confirm	

- ⇒ Confirm,

Automatic and Manual		0-2
1>Of all zones		
2>Per zones group		
3>Per zone		
Return	Confirm	

8.4. Automatic off (access level 2 and 3)

Aim :

- ⇒ To configure a fire protection function in a manual only mode of operation.

Procedure :

- ⇒ Go to access level 2,
- ⇒ Press the "MENU" button,
- ⇒ Select "5 ▶ Fire protection".

Menu 0-2	
1>Fire Detection 2>Evacuation 3>Logging 4>Others	5>Fire protection 6>Technical alarm 7>Extinguishing 8>Overview
Return	Confirm

- ⇒ Confirm,
- ⇒ Select "4 ▶ Manual control only".

Fire protection 0-2
1>State 2>General state 3>Automatic and Manu 4>Manual mode
Return Confirm

- ⇒ Confirm,

Manual mode 0-2
1>Of all zones 2>Per zones group 3>Per zone
Return Confirm

9. Technical alarm functions

Available in the future

10. Extinguishing functions

Available in the future

11. Overview

Cf. 3.3 - Overview (access levels 1, 2 and 3)

12. Indications given by the general indicators

VISUAL SIGNAL			
Fire	Red	Steady	<ul style="list-style-type: none"> At least one detection zone is on fire
Fault	Yellow	Steady	<ul style="list-style-type: none"> There is a fault in at least one detection zone or Mains failure on one of the power supplies, or Battery failure on one of the power supplies, or Evacuation zone fault, or Fire protection fault, or Fault earth.
Mains fault	Yellow	Steady	<ul style="list-style-type: none"> Mains failure on one of the power supplies
Battery fault	Yellow	Steady	<ul style="list-style-type: none"> Battery failure on one of the power supplies
System fault	Yellow	Steady	<ul style="list-style-type: none"> Mains and battery failure, or Processing failure
Disabled	Yellow	Steady	<ul style="list-style-type: none"> At least one detection zone is disabled, or One evacuation zone is disabled.
Test	Yellow	Steady	<ul style="list-style-type: none"> At least one detection zone is on test, or One evacuation zone is on test.
Power on	Green	Steady	<ul style="list-style-type: none"> Power supply to control unit is on

The acoustic signal is :

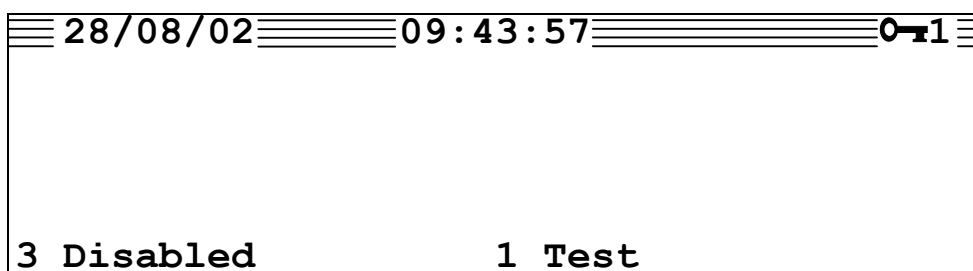
- Continuous in the event of a fire
- Intermittent in all other cases.

13. Display in standby mode

With no zone turned-off and no zone in test mode.



With zone(s) turned-off and in test mode.



14. Indications & commands for fire detection zones

☛ **Note :** This chapter covers both type A and type B.

If one or more detector or call point are in alarm, the display in standby (Cf. 13 Display for Control Unit in Standby mode) is replaced by the following one :

```

28/08 to 14:08 Call point activated
zone      11      Warehouse
Address   02101   Main entrance
28/08 to 14:13 Detector on alarm
zone      4       Reception
Address   01004   Stairway

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

☛ **Note :**

- The information (date, time, incident, zone or call point address) relating to the first zone on alarm is given on lines 1,2 & 3 of the display.
- The information (date, time, incident, zone or call point address) relating to the last zone on alarm are given on lines 4,5 & 6 of the display.
- The total number of zones on alarm is given on the last line of the display.
- The event s are described as follows :
 - "Detector in fire alarm", or
 - "Call point activated"
- Pressing the \blacktriangle button below the label " Orders" will display the Orders – if they have been defined –that should be applied for the zone(s) on fire displayed. It replaces the address indication.

⇒ Press "Orders" (\blacktriangle),

```

28/08 a 14:08 Call point activated
zone      11      Warehouse
Orders    call the fire brigade
28/08 a 14:13 Detector on alarm
zone      4       Reception
Orders    call n 123456780

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

⇒ Press "Scroll" (\blacktriangle),

```

===== First Fire ===== 1/ 4 =====
28/08 a 14:08 Call point activated
zone      11      Warehouse
Address   02101   Main entrance
1 Address(es) on fire in zone
Orders    call n 123456780

Return    Address    Scroll    Orders
  
```

☛ **Note :**

- Pressing "Scroll" (▲), displays a screen whose number indicates the chronological order that the zone displayed went into fire mode. (First fire (1/4), Fire (s) (2/4, 3/4) and last fire (4/4))
- The display indicates the date and time that the first address in the zone went into fire mode.

☛ **If only one zone is in fire alarm mode, the screen will be titled "Last Fire".**

- Pressing the ▲ button below "Address" display the address (es) of the points in alarm mode for the zone on fire displayed.

```

=====
Last Fire                                     1/  1
=====
28/08 a 14:13 Detector on alarm
zone      6      Entrance
Address   03035 Gate A
3 Address(es) on fire in zone

Return    Address    Scroll    Orders
  
```

⇒ Press "Address" (▲),

```

=====
Last Fire                                     1/  1
=====
28/08 a 14:13 Detector on alarm
zone      6      Entrance
3 Address(es) on fire in zone
Address   03035 Gate A
Address   03036 Gate B
Address   03041 Gate C
Return    Zone       Scroll
  
```

To see the previous screen press "Zone" (▲).

To see the following zones in fire alarm mode (from the "First fire" - 1/4 screen) :

⇒ Press "Scroll" (▲),

```

=====
Fire(s)                                       2/  4
=====
28/08 a 14:10 Detector on alarm
zone      2      Technical room
Address   02001 Detector n 1
1 Address(es) on fire in zone

Return    Address    Scroll    Orders
  
```

⇒ Press "Scroll" (▲),

Fire(s)		3/	4
28/08 a 14:13 Detector on alarm			
zone	1	Director's office	
Address	01001	Detector n 9	
1 Address(es) on fire in zone			
Return	Address	Scroll	Orders

⇒ Press "Scroll" (▲),

Last Fire		4/	4
28/08 a 14:13 Detector on alarm			
zone	4	Reception	
Address	01004	Stairway	
1 Address(es) on fire in zone			
Return	Address	Scroll	Orders

15. Indications and commands for evacuation zone

☛ **Note :** Cf. Using the CF4ZA LON FTT (§ 17.1), Using the CF8-2ZA LON FTT (§ 17.2)

These indications are given by the evacuation zone indicators and the screen.

15.1. Indications given by the evacuation zone indicators

INDICATIONS			
EVACUATION	Red	<ul style="list-style-type: none"> Constant Flashing 	<ul style="list-style-type: none"> Command of sirens output and auxiliary contact activated. Command of sirens output not properly achieved and auxiliary contact activated.
ALARM	Red	<ul style="list-style-type: none"> Constant 	Automatic evacuation command registered
AUTOMATIC OFF	Yellow	<ul style="list-style-type: none"> Constant Off 	<ul style="list-style-type: none"> Evacuation command from detection zones Off. Manual command remains available. Evacuation command from detection zones activated. Manual command available.
FAULT / DISABLED / TEST	Yellow	<ul style="list-style-type: none"> Flashing Constant Constant 	<ul style="list-style-type: none"> Fault. Disablement or Test.

☛ The general yellow "FAULT" light constantly lit indicates a fault with the UGA.

15.2. Indications given on the screen

Evacuation zone	1	Command actuated	Evacuation 1
OSD	1	Line	1
1 command(s)		Scroll	

⇒ Press "Scroll" (▲),

Evacuation zone	1	Evacuation 1	1/ 1
1 command(s)		1	
Return		Details	Next
		Screen	

A

⇒ Press "Détails" (▲),

Evacuation zone	1	Evacuation 1	1/ 1
All OSD are actuated			
Return		Zone	

⇒ To return to screen **A**, Press "zone" (▲),

16. Fault signals

☛ **Note** : The following examples relate to a CMSI type A (connected to an ECS).

16.1. Fault relating to a function

Fault	OSD line on OC
Function 241	Fire door
OSD 1	Damper
Fault	Communication fault
UT N.1	
2 fault(s)	
Scroll	

⇒ Press "Scroll" (▲) to show the 2 faults,

Fault Fire protection	1/ 2
Function 241 Fire door	
Communication fault UT N.1	
2 fault(s)	
Return	Details
Next	Screen

⇒ Press "Détails" (▲), to show detailed information for the selected fault,

Fault Fire protection	1/ 2
Function 241 Fire door	
OSD 1 Damper	
OSD line on OC	
1 fault on the OSD in the zone	
Return	Fault

⇒ Press "Fault" (▲), to show the type of fault,

Fault Fire protection	1/ 2
Function 241 Fire door	
OSD 1 Damper	
OSD line on OC	
1 OSD fault(s)	
Return	OSD

⇒ Press "OSD" (▲) to show the previous screen.

16.2. Faults relating to communication with a Fire Detection System (ECS)

```

Fault          Communication fault
UT N.2

1 fault(s)          Scroll
  
```

⇒ Press "Scroll" (▲) to show detailed information,

```

Fault          1/ 1
Communication fault UT N.2

1 fault(s)
Return Details Next Screen
  
```

⇒ Press "Details" (▲) to show detailed information for the selected fault,

```

Fault          1/ 1
UT N.2
Communication fault

Return Orders
  
```

☛ Note :

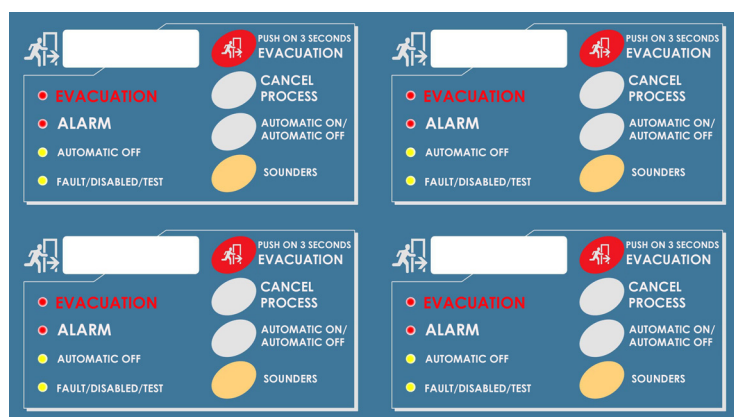
- Information for the first fault to have occurred are given on lines 1,2 and 3 of the display
- Information for the last fault to occur is given on lines 4, 5 & 6 of the display.
- The total number of faults is given on the last line of the display.
- The ▲ ▼ buttons enable you to switch from one fault to another (the zone shown is in grey)
- A new fault is indicated for 30 seconds on lines 4,5 & 6 and then the second fault is automatically re-displayed.
- These indications are deleted from the display in the event of a fire. events not displayed can be accessed using the events button.

17. Optional modules

17.1. Using the CF4ZA LON FTT module

This module enables the control of 4 evacuation zones. Each zone comprises lights as described in chapter **15.1 Indications given** and buttons whose functions are described in **chapter 5**. Information relating to an evacuation function given by the screen are described **chapter 15.2**

Presentation

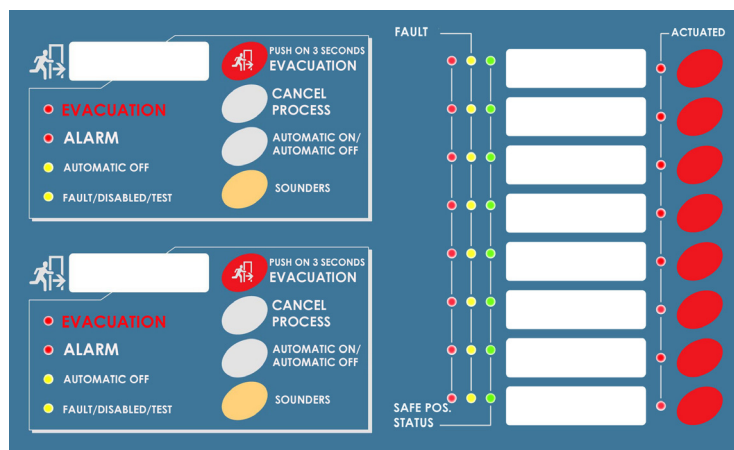


17.2. Using the CF8-2ZA LON FTT module

This module allows both the control of fire protection functions (up to 8) like the LON FTT, and evacuation zones (up to 2) like the CF4ZA LON FTT.

The respective functions (ZA & CF) of the commands (buttons) and the lights of this module are identical to those of the two modules referred to above.

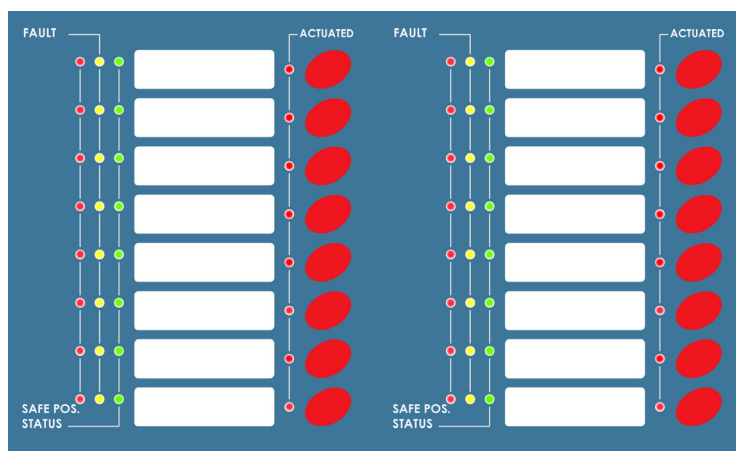
Presentation





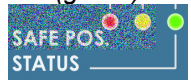
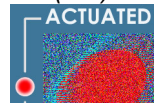

17.3. Using the CF16 LON FTT module

This module allows the control of 16 fire protection functions.

Presentation



Description of lights and commands

LIGHT	ILLUMINATED	
	CONSTANT	FLASHING
Safety position (red) 	LIGHT OPERATES IF THE FUNCTION HAS A POSITION CONTROL	
	If all the security equipment relating to the function are in safety position following a manual or an automatic command	If at least one item of security equipment relating to the function is not in safety position following a manual or an automatic command
Fault (yellow) 	LIGHT OPERATES IF THE FUNCTION DOES OR DOES NOT HAVE A POSITION CONTROL	
	<ul style="list-style-type: none"> ♦ If at least one item of security equipment relating to the function is in fault mode (ex : short circuit in the remote control line) ♦ If the function is in automatic off mode of operation. 	If at least one item of security equipment relating to the function is no longer in waiting position without a manual or automatic command.
Status (green) 	LIGHT OPERATES IF THE FUNCTION HAS A POSITION CONTROL	
	If all the security equipment relating to the function initially in standby mode is in waiting position (after pressing the "Status").	None
Actuated (red) 	LIGHT OPERATES IF THE FUNCTION DOES OR DOES NOT HAVE A POSITION CONTROL	
	If the function is called upon following a manual or automatic command for non controlled functions	If the function is blocked by a fire protection scenario
COMMAND		
		This manual button controls all the equipment relating to the function even if this latter is in automatic and off mode of operation. This manual command can be made from access levels 1 and 2

18. Instructions for checks and maintenance

An installation can only be completely effective if it is fully checked by the user and maintained by the manufacturer / installer.

All maintenance operations must be carried out in accordance with instructions

When carrying out maintenance, do not forget to take all necessary measures to avoid all accidental activation of controls

Operations on the control unit	Regularity
Activating secondary supply	Monthly
Checking power supply	Half yearly
Operational checks	Half yearly

