ANALOGUE FIRE CONTROL PANEL

FireClass200

USER GUIDE

V4.2 BUU 0.1 111099

CE

BENTEL® SECURITY

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OVERVIEW

This manual holds all the necessary information for proper use of the FireClass200 system.

The components of the FireClass200 modular system depend on the size and complexity of the installation. Some of the components and functions mentioned in this manual may not be present on your system.

FireClass200 system comprises:

- a FireClass200 Master control panel;
- up to 8 FC200/REP Repeaters;
- up to 7 FC200/SL Slave control panels.

FireClass200 The FireClass200 control panel manages all the functions of the of the fire prevention system.

Repeaters Repeaters are small panels for remote control of the main features of the FireClass200 system (SILENCE, RESET and ACKnowledge). Repeaters display all the FireClass200 messages, and emit the buzzer signals.

FC200/SL The FC200/SL can be connected to FireClass200 to expand its capacity to suit the exact requirements of the protected premises.

Signalling

The control panel status is signalled by:

- the LEDs on the front of the panel;
- the back lighted display of 20 characters on 4 rows;
- the built-in buzzer.

LEDs

ALARM **ON**: - indicates ALARM status. In the event of False Alarm - press the SILENCE button to inhibit momentarily the SILENCEABLE Outputs, or the RESET button to deactivate all the outputs definitely.

MORE ALARMS **ON**: - indicates ALARM status on more than one of the Input Points. It is possible to view all the Points in ALARM status.

PREALARM **Blinking**: - indicates PREALARM status. When the programmed PREALARM Delay ends, the control panel will go into ALARM status. In the event of false alarm - press the RESET key to stop the automatic procedure.

TELECOM Reserved for future use.

MAIN POWER (green) **OFF**: - indicates Mains power failure (230 V). Check for area blackout. Proper functioning of the control panel will be guaranteed by the batteries until Mains power is restored. If the area power supply is present call the installer for service!

WALK TEST **Blinking**: - indicates that at least one Software Zone is in Test status. The outputs of the Zone in Test status will be activated for approximately one second when the Zone goes into ALARM status. However, the Extinction Outputs of the Zone in Test status will not be activated when the Zone goes into ALARM status.

DISABLED **ON**: - indicates that at least one device is disabled. Use the **Disable** option from the **MODIFYING** menu to view and change the status of disabled devices.

NIGHT **ON**: - indicates NIGHT Mode functioning. The Alarm Threshold of the Input Points will be the programmed value. If the SILENCE button is pressed during NIGHT mode - the SILENCE status will be held for the programmed SILENCE time.

DAY **ON**: - indicates DAY Mode functioning. The programmed Alarm Threshold of the Input Points will be increased by a set value, that is, the Input Point will be less prone to false alarms caused by persons present in the protected ambient. If the SILENCE button is pressed during DAY Mode - the SILENCE status will be held until the SILENCE button is pressed again.

FAULT **ON**: - signals at least one FAULT. The LEDs and/or the display will indicate the FAULT type.

MAIN (red) As per the green MAIN POWER LED. This LED will go ON during Mains power failure (the MAIN LED has memory).

LOW BATTERY **ON**: - indicates that the control panel batteries are low, and therefore, in the event of blackout, will not be able to guarantee proper functioning of the control panel. Wait for several hours - if the LED remains ON call the installer for service.

BATTERY FAULT **ON**: - indicates that the batteries are either disconnected or empty, or that the Battery protection fuse has burnt (see FUSES LED). Therefore, in the event of blackout the control panel will stop functioning.

GROUND **ON**: - indicates that the control panel is leaking to Ground. Call the Installer for immediate service!

FUSES **ON**: - indicates that either the polarity invertion fuse, or the 24 V Output fuse has burnt, in the latter case, the devices connected to the 24 V Output will be unable to function (the display will indicate the fuse in question). Call the Installer for immediate service!

LOGIC UNIT **ON**: - indicates that the control panel blocked. Call the installer for service!

ADDRESS **ON**: - indicates a missing Loop device. Call the installer for service!

SAME ADDRESS **ON**: - indicates the presence of more than one device of the same type at the same address. Call the installer for service!

SILENCE **ON**: - indicates the the Silenceable Output Points have been forced into standby status. Press the SILENCE button to restore the previous status. Silenced Output Points will be released automatically if another alarm condition occurs or, after the programmed NIGHT Mode SILENCE Time.

Z01 ÷ Z16 **ON**: - indicates that the corresponding zone is in ALARM status. In the event of false alarm - press the SILENCE button to force the SILENCEABLE Outputs momentarily into standby status, or press the RESET button to deactivate all the outputs definitively.
Blinking: - (3 sec. ON - 1 sec. OFF) indicates that the corresponding zone is in PREALARM status. The zone will go into ALARM status after the programmed Prealarm Time, or will activate the FIXED delay (if programmed). In the event of false alarm - press the RESET button to stop the automatic procedure.
Blinking: - (1 sec. ON - 0,5 sec. OFF) indicates - the FIXED delay is running. The Zone will go into ALARM status when the programmed delay ends. In the event of false alarm press the RESET button to stop the automatic procedure, or press ACK key to add the PAS delay to the FIXED delay.
Blinking: - (1 sec. ON - 2 sec. OFF) indicates - the PAS delay has been added to the FIXED delay already running. The Zone will go into ALARM status when the total time of both delay ends. In the event of false alarm press the RESET button to stop the automatic procedure.

Press the TEST key to check the LEDs are functioning properly.

Buzzer

The control panel has an incorporated buzzer which signals the panel status.

3 sec. sound ***1 sec. pause***	Signals PREALARM status.
1 sec. sound ***0.5 sec. pause***	Signals FIXED Delay running.
1 sec. sound ***2 sec. pause***	Signals - the PAS delay running.
0.2 sec. sound ***0.2 sec. pause***	Signals - the control panel is in ALARM status.
05 sec. sound ***0.5 sec. pause***	Signals - FAULT.
1 sec. sound ***9 sec. pause***	Signals - FAULT stored in memory.
1 sec. sound ***2 sec. pause***	Signals - SILENCE activated.
0.3 sec. sound ***0.3 sec.pause***	Signals - RESET in course.
2 sec. sound ***1 sec. pause***	Signals - a Zone is in TEST status.

Use the TEST key to test the buzzer.

The SILENCE command will also silence the buzzer.

Display

STANDBY status

The message opposite signals STANDBY status.
The first row shows the control panel Label (programmed by the Installer).
The fourth row shows the Time, date and day of the week.

```
FIRE  CLASS  2ØØ
Scanning Loop
  >>  >>  >>
16:23  Ø2/Ø8/99 Mon
```

WARNING status

The message opposite signals WARNING status. An Input Point has exceeded the WARNING threshold, and there is risk of ALARM status.

```
Panel
 in
WARNING
 state !
```

PREALARM status

The message opposite signals PREALARM status. The control panel will go into ALARM status when the programmed PREALARM Time ends.

```
Panel
 in
PREALARM
 state !
```

ALARM status

The message opposite signals ALARM status:
First Alarm shows the address of the first Point or Zone to go into ALARM status;
Last Alarm shows the address of the last Point or Zone to go into ALARM status;
Total Alarms shows the number of Points and Zones in ALARM status;
Up/Down move indicates that by using the ↑ and ↓ keys it will be possible to scroll the addresses of all the Points and Zones in ALARM status.

```
First  Alarm  : ####
Last   Alarm  : ####
Total  Alarms :  ###
Up/Down move  : ####
```

FAULT status

The message opposite signals the presence of at least one FAULT:
First Fault shows the address of the first Point to go into FAULT status, or the code of the first FAULT;
Last Fault shows the address of the last Point to go into FAULT status, or the code of the last FAULT;
Total Faults shows the total number of FAULTs;
Up/Down move indicates that by using the ↑ and ↓ keys it will be possible to scroll the addresses and codes of all the FAULTs.

```
First  Fault  : ####
Last   Fault  : ####
Total  Faults :  ###
Up/Down move  : ####
```

STANDBY status

When the Control panel is in STANDBY status:

- the MAIN POWER LED will be ON;
- the NIGHT LED will be ON (in NIGHT Mode);
- the DAY LED will be ON (in DAY Mode);
- the display will appear as below (figure 1).

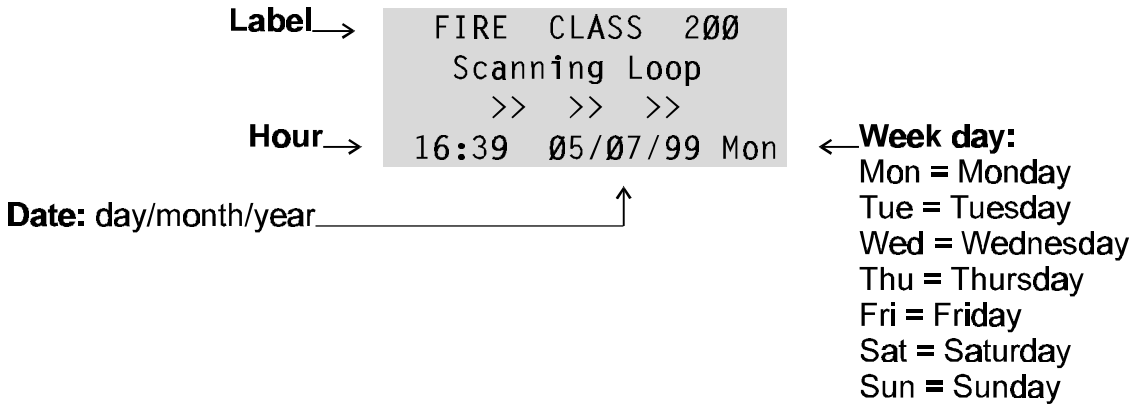


Figure 1

FAULT status

Faults are signalled by:

- the FAULT LED (**ON**);
- the FAULT type LED (MAIN - LOW BATTERY - BATTERY FAULT - GROUND - FUSES - LOGIC UNIT - ADDRESS - SAME ADDRESS);
- a FAULT message on the control panel and Repeater displays (see figure 2);
- an acoustic signal (0.5 sec. sound - 0.5 sec. pause) on the control panel and Repeater buzzers;
- the Output Points programmed as FAULT Outputs.

The FAULT message (see figure 2)

First FAULT This will show the **Identifier** (initials or abbreviation) of the first FAULT.

If the first FAULT is generated by a LOOP Device it will show:

- the Loop number (1 or 2);
- the Device type (S = Sensor or M = Module);
- the Device address (01 through 99 or ZC = Conventional Zone).

If the first FAULT is generated by a NON-LOOP Device it will show:

- **GEN.** - a general FAULT (MAIN, LOW BATTERY etc.).

Last FAULT As above but for the most recent FAULT.

Total FAULTS The total number of FAULTS since the last RESET.

Up/Down move Use the ↑ or ↓ key to scroll the **Identifiers** of all the FAULTS logged after the last RESET**.**

Press ESC to access the logger and view the most recent FAULT (see the "Logger" paragraph).

Silence Press the SILENCE button to force the Silenceable FAULT Outputs into standby status (this will also silence the buzzers).

Memory When the FAULT status ends, FAULT memorisation will be signalled by blinking on the associated LED.

```
First  Fault  : ####
Last   Fault  : ####
Total  Fault  :  ###
Up/Down move  : ####
```

Figure 2

Reset The RESET button will force all the FAULT Outputs into Standby status and will delete the FAULT memory.

✚ Standby status will be restored on a FAULT Output when the FAULT status ends. However, if the FAULT is on the Output itself; it will be necessary to RESET the control panel.

Functioning in the event of ALARM

FireClass200 can be programmed to go into WARNING status or PRE-ALARM status, before actually going into ALARM status.

WARNING status The WARNING status signals that an Input Point has exceeded the programmed Warning Threshold, and if the condition continues, will go into ALARM status. Stop (Inhibit) the alarm procedure in the event of false alarm. The WARNING status will be signalled by:

- the following message on the control panel and Repeater displays:

```
Panel
 in
WARNING
 state !
```

- the Output Points programmed as Warning Outputs.

Press the ESC key to access the logger and view the most recent event (see "Logger" paragraph).

PREALARM status The PREALARM status signals that an Input Point has exceeded the Alarm Threshold. The control panel will not go into ALARM status until the programmed PREALARM Time ends. However, an ALARM status will be generated if another Input Point goes into ALARM status during the PRE-ALARM Time.

The PREALARM Time allows the User to check for False Alarm.

The PREALARM status is signalled by:

- the following message on the display:

```
Panel
 in
PREALARM
 state !
```

- blinking on the ALARM and PREALARM LEDs (3 sec. ON - 1 sec. OFF);
- blinking on the LEDs associated to the Input Point Software Zone (3 sec. ON - 1 sec. OFF);

- an intermittent sound (3 sec. sound - 1 sec. pause) on the fire control panel and Repeater buzzers;
- the Output Points programmed as Prealarm Outputs.

During the PREALARM status the User can SILENCE or RESET the system, and also View the Logger.

ALARM status The ALARM status signals the activation of the programmed Output Points, and will be generated by ALARM status on at least one Input Point.

The ALARM status is signalled by:

- the ALARM LED (ON);
- the LEDs associated to the Software Zones of the Input Points;
- the message (see figure 3) on the control panel and Repeater displays;
- an intermittent sound (0,2 sec. sound - 0,2 sec. pause) on the fire control panel and Repeater buzzers;
- the Output Points programmed as Alarm Outputs.

The ALARM message (see figure 3)

First Alarm This will the **Identifier** (initials or an abbreviation) of the first ALARM.

If the first ALARM is generated by a LOOP Device it will show:

- the Loop number (1 or 2);
- the Device type (S = Sensor or M = Module);
- the Device address (01 through 99 or ZC = Conventional Zone).

If the first ALARM was generated by a Software Zone it will show:

- the Zone address (Z01 through Z16).

Last Alarm As per the First Alarm but for the most recent Alarm.

Total Alarms The total number of Alarms since the last RESET.

Up/Down move Use the ↑ or ↓ key to scroll the alarm **identifiers**.

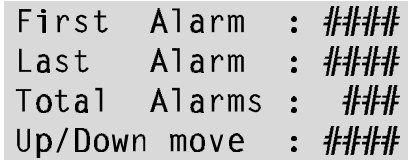


Figure 3

Press the ESC key to access the logger and view the most recent event (see "Logger" paragraph).

During an ALARM status the User can SILENCE or RESET the system, and also view the logger.

MORE ALARMS The MORE ALARMS LED will go ON to signal the presence of several alarm conditions.

Software Zones

Input Points and Output Points can be assigned to the 16 Sotftware Zones of the FireClass200. ALARM status on an Input Point will generate the same status on its Software Zones.

Positive Alarm Sequence (PAS)

A Software Zone (enabled for the **Fixed Delay**) will go into ALARM status when the **Fixed Delay** ends.

Press ACK to extend a running **Fixed Delay** - the **PAS Delay** (when enabled) will be added automatically to the **Fixed Delay**.

The Software Zone will go into ALARM status when the delay time ends.

- **Fixed Delay** will be signalled by blinking on the Zone LED (1 sec. ON - 0.5 sec. OFF), and by an intermittent sound on the buzzer (1 sec. sound - 0.5 sec. pause);
- **PAS Delay** will be signalled by blinking on the Zone LED (2 sec. ON - 2 sec. OFF), and by an intermittent sound from the buzzer (2 sec. sound - 2 sec. pause)

+ A Output Point can also be assigned to Input Points; in this case the Output Point will be activated when at least one of its Input Points goes into ALARM status.

Silence

The SILENCE button can be used to force the Silenceable Output Points into the Standby status:

- In NIGHT Mode - Silence status will be held for the programmed Silence Time;
- In DAY Mode - Silence status will be held until the SILENCE button is pressed again.

+ In both functioning modes - Silence status will be overridden automatically when a new alarm condition occurs.

Reset

RESET is one of the main commands on the control panel.

RESET **stops** ALARM, Prealarm, Warning and FAULT conditions. Access to this command is limited to authorized key holders only (access level 2: code or mechanical key).

During RESET the fire control panel will display the following messages.

```
      RESET
     RUNNING

Please Wait ...
```

If an ALARM, Prealarm, Warning or FAULT signal is still present after RESET it will be reprocessed.

Command keys (including ESC) cannot be used when RESET is running.

The Repeaters can be RESET by the Installer or User PIN.

Test

The TEST button activates all the control panel LEDs, buzzers and connected Repeater buzzers.

Day/Night Mode

The control panel can operate in two modes: DAY Mode and NIGHT Mode. Programming of both modes is amply illustrated in the programming manual.

- If SILENCE is activated during DAY Mode its effect will be unlimited (unless other events occur: new ALARMS, new FAULTS etc.).
- If SILENCE is activated during NIGHT Mode it will be held for the programmed time (see "Silence" paragraph).

Auto Another of the FireClass200 features is the Automatic Alarm Threshold variation.

Sensors are particularly sensitive, therefore, when persons are present in the protected ambient the Alarm Threshold must be increased by the **non-modifiable default value** (to allow for cigarette smoke etc.). The Alarm Threshold of the Analogue Sensors can be controlled automatically.

DAY Mode If the Analogue Sensors are programmed with the **T** and/or **S** option - the Alarm Threshold of the Analogue Sensors will be increased by 10% during the programmed times.

NIGHT Mode The non-modifiable default value will be restored.

Drift Compensation

When Drift Compensation is programmed for an Analogue Sensor (valid for Analogue smoke ionisation sensors only) it will supply a precise analysis, and therefore, indicate whether the Sensor is at risk of generating false alarms.

Drift Compensation is automatic. In the event of Drift Compensation FAULT, the User need only identify the FAULT type and the Sensor generating the FAULT.

There are two types of Drift Compensation FAULT: automatic which corresponds to the non-modifiable threshold, and the Threshold programmed by the Installer (modifiable).

The threshold programmed by the Installer offers a faster way of detecting the high dust level of an ambient.

Maintenance request

The FireClass200 control panel can be programmed to request maintenance. The Maintenance request will be signalled on the programmed date by FAULT status (see the INSTALLATION MANUAL).

To change the Maintenance request date:

- use the Installer PIN to access the **PROGRAMMING** phase, and postpone the request.

Disable

The **Disable** option from the **MODIFYING** menu can be used to Disable/Enable Devices, Zones and Bell Outputs. This option is dealt with in detail in the "MODIFYING" chapter.

The DISABLED LED will go ON when a Device is Disabled. ALARMS and FAULTS etc. will not be signalled for Disabled Devices.

Alarm verify

The FireClass200 control panel can check the veracity of an ALARM status from the moment it occurs.

When **Alarm Verify** is programmed for a Device the control panel will generate and ALARM status in accordance with the **Verify Time** and the **Verify Counter**.

The control panel will hold Standby status for the entire time of the **Alarm Verify** operation (Scanning Loops).

The number of Alarm Verify operations performed for an Input Point can be viewed by means of the **Dev./Zones/Outputs** option from the **READINGS PARAMETER** menu (see **V**).

Logger

The FireClass200 logger records the data of the last 200 events.

The logger is dealt with in detail in the "READING PARAMETERS" paragraph.

Extinction Modes

To satisfy the strict Safety regulations for water and gas extinction methods, each FireClass200 Output may be programmed as an "**EXTINCTION OUTPUT**".

✚ When an ALARM status is generated by a Device assigned to an Extinction Output, the Extinction Output in question will not be activated until the programmed delay ends.

Inhibit Extinction Press any **Inhibit Extinction** button to add a further delay to the programmed delay running on the Extinction Outputs. The effect the Inhibit Extinction command will have on the the running delay depends on the programmed mode:

- **ADD mode** - the Extinction Inhibition adds 90 seconds to the programmed Delay;
- **STOP mode** - the Extinction Inhibition will stop the Delay 10 seconds before the end. When the Extinction Inhibition is disabled the Delay will restart and run for 10 seconds;
- **FULL mode** - the Extinction Inhibition will restore the Delay to its initial value. When inhibition is disabled the Delay will restart and run for the full Delay time.

Silence Press the **SILENCE** button to:

- **block** the running Extinction Output delay.
- **force** activated Extinction Outputs into **Standby status**.
- **reactivate** Extinction Outputs - ***forced into Standby status by the*** SILENCE button. These Outputs will be reactivated after the programmed delay.

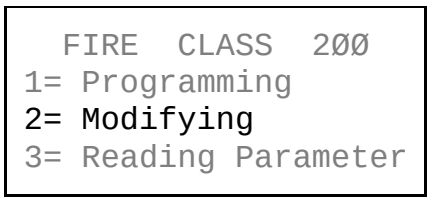
✚ In NIGHT Mode - the Silence status (block delay and force standby) will be held for the programmed Silence Time;

- In DAY Mode - the Silence status (block delay and force standby) will be held until the SILENCE button is pressed again.
- In both modes - Silence status will be overridden automatically if a new ALARM or FAULT condition occurs.

Manual Extinction Press any **Manual Extinction** button to activate **all** Extinction Outputs **without delay**.

The **Modifying** option from the **MAIN** menu allows the user to disable the Devices connected to the control panel, and clear the Verify counters and logger.

Select the **Modifying** option from the **MAIN** menu (press 2).



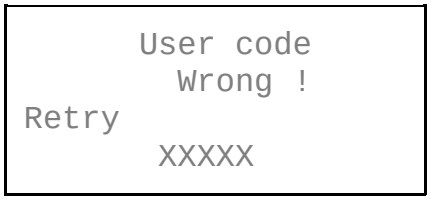
Enter the User Code (the default code is 11111) each digit will be masked by the symbol **Q**.

Press the ↵ key to confirm the code. If the code is valid the display will show the **MODIFYING** menu.

Select the required option and read the relevant paragraph or press ESC to step back to the **MAIN** menu.

Wrong Code

If a wrong code is entered, the display will request **Retry** as shown opposite.



User default Code

The User default code is **11111**. The User default code may be changed by means of the **PassWD** option from the **PROGRAMMING** menu.

Disable

The **Disable** option from the **MODIFYING** menu can **Disable/Enable**:

- the Loop Devices (Monitoring Devices or Control Devices);
- Bell Outputs;
- Software Zones;
- Devices on the Network (Repeaters or Slave panels).

The DISABLE LED will go **ON** when one of the above mentioned is disabled.

The disabled and enabled modes are as follows.

Monitoring Devices A disabled Monitoring Device (Detector, Monitoring Module, Conventional Zone Module, Addressable Call-points) will not generate ALARM or FAULT status.

- To clear FAULT status generated by a Monitoring Device - **Disable** the Monitoring Device in question.
- To clear ALARM status generated by a Monitoring Device - **RESET** the control panel.

+ Monitoring Devices enabled during ALARM or FAULT status will generate the relevant status.

Control Devices ALARM or FAULT status will not activate Disabled Control Devices (Control Modules, Addressable Sirens).

- To deactivate Control Devices activated by FAULT status - **Disable** the Devices in question.
- To deactivate Control Devices activated by an ALARM status - **RESET** the control panel.

+ Control Devices enabled during ALARM or FAULT status, will be activated immediately.

Bell Outputs The enabled and disabled operating modes of the Bell Outputs are as per Control Devices.

Software Zones The disabled or enabled mode of a Software Zone will effect all its assigned Devices, as previously described.

Repeaters A disabled Repeater cannot command the Master control panel, although, its display will show the Master panel status. Loss of a disabled Repeater from the Network will not generate FAULT status.

- ➢ To clear a FAULT status - generated by the loss of a Repeater - **Disable** the Repeater in question.

- ✚ FAULT status will be generated when the Repeater (in FAULT status) is re-enabled.

Slave panels A Disabled Slave panel cannot generate NETWORK ALARM or NETWORK FAULT status. Loss of Disabled Slave panel from the Network will not generate FAULT status.

- ➢ To clear FAULT status - generated by the loss of a Slave panel - **Disable** the Slave panel in question.
- ➢ To clear NETWORK FAULT status - generated by a Slave panel - **Disable** the Slave panel in question.
- ➢ To clear a NETWORK ALARM status generated by a Slave panel - **RESET** the Master panel.

- ✚ FAULT status will be generated when the Slave panel (in FAULT status) is re-enabled.

- ✚ NETWORK FAULT status will be generated when the Slave Panel, (in NETWORK FAULT status) is re-enabled.

Procedure Procced as follows to disable the control panel **Items**: Loop Devices; Bell Outputs; Software Zones; Network Devices.

A Select the **Disable** option from the **MODIFYING** menu (press 1).

```
Modifying:
 1=Disable
 2=Delete Verify
 3=Delete Logger
```

B Select the **Item**, or press ESC to step back to the **MODIFYING** menu.

```
MOD: Enab./Disabl.
1=LOOP 1  2=LOOP 2
3=Outputs BELL
4=ZONES   5=NET
```

C Enter the **Item** address then press the ↵. key, or press ESC to step back and select another **Item**.

```
MOD: Devices L1
   Enter Address
Sensors    L1: 1/##
Modules    L1: 1/__
```

If a valid address is entered the display will show: - the **Item** label; real-time Analogue Value; type; address; current status (see figure 4).

D Press the ↑ or ↓ key to change the **Item** status then press the ↵ key to confirm or ESC to quit.

```
MOD: Enab./Disabl.
Device: SENSOR
    %##     1/##
STATUS: DISABLED
```

E Step back to **C**.

Conventional line To enable or disable the Conventional line (terminal 10[LC+]) position the cursor on the **L1 Detector** space and press the ↑ key.

```
MOD: Devices L1
   Enter Address
Sensors    L1: 1/ZC
Modules    L1: 1/__
```

Non-Configured Devices If an invalid address is entered, the display will show an error message. Press ESC to quit and step back to **C**.

```
   DEVICES LOOP1
     Device not
     configured
     on  LOOP 1
```

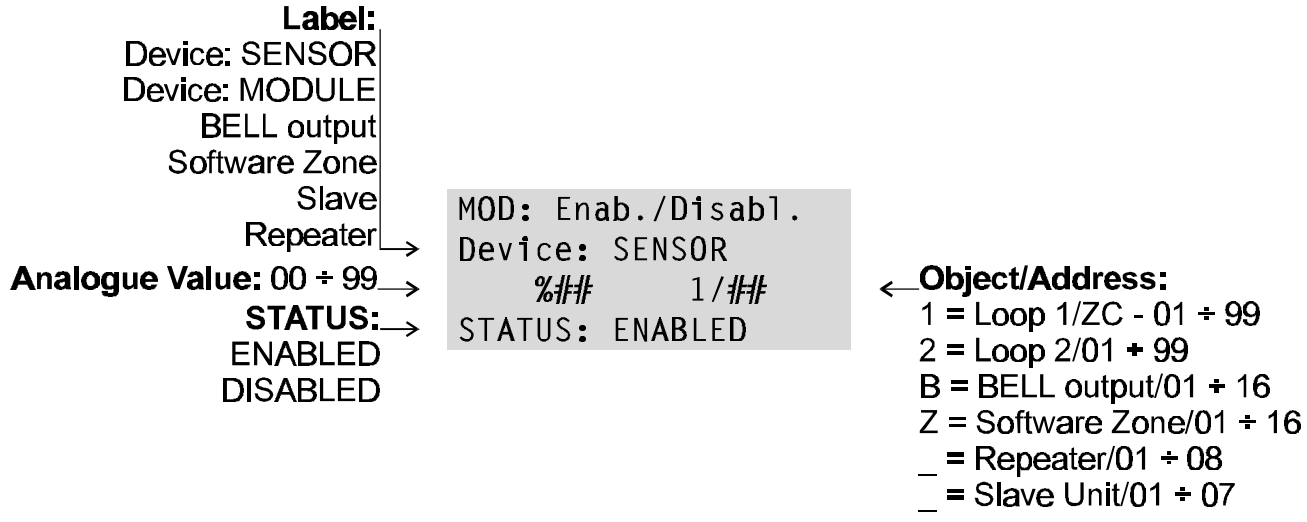


Figure 4 *Enabled/Disabled status of sensors.*

Delete Verify

The **Delete Verify** option from the **MODIFYING** menu clears the **Verify Counter** of each detector.

Select the **Delete Verify** option from the **MODIFYING** menu (press 2) to clear ALL the **Verify Counters**.

```
Modifying:
 1=Disable
 2=Delete Verify
 3=Delete Logger
```

Press the ↵ key to clear all the **Verify Counters**, or ESC to quit and step back to the **MODIFYING** menu.

```
MOD: Clear Verify
Are
you sure ?
Yes=Enter  No=Esc
```

Delete logger

The **Delete logger** option from the **MODIFYING** menu clears the contents of the logger.

Select the **Delete logger** option from the **MODIFYING** menu (press 3).

```
Modifying:
 1=Disable
 2=Delete Verify
 3=Delete Logger
```

Press the ↵ key to clear the contents of the logger, or press ESC to quit and step back to the **MODIFYING** menu.

```
MOD: Clear Logger
Are
you sure ?
Yes=Enter  No=Esc
```

READING PARAMETER

Use the **Reading Parameter** option from the **MAIN** menu to view all the control panel parameters, and to print the logger contents.

Select the **Reading Parameter** option from the **MAIN** menu (press 3). No access code is required. Viewing and printout do not effect the parameters and operating modes of the control panel .

```
  FIRE  CLASS  2ØØ
1= Programming
2= Modifying
3= Reading Parameter
```

The display will show the **READING PARAMETER** menu.

```
READINGS:
1=Dev./Zones/Outputs
2=Options   3=Ver.
4=Logger    5=Print
```

Select the required option and read the relevant paragraph or press ESC to step back to the **MAIN** menu.

Devices/Zones/Outputs

The **Dev./Zones/Outputs** option from the **READING PARAMETER** menu shows the parameters of the Devices on the Loops, Software Zones, Bell Outputs, and of the Devices on the network.

A Select the **Dev./Zones/Outputs** option from the **READING PARAMETER** menu (press 1) or press ESC to step back to the **MAIN** menu.

```
READINGS:
1=Dev./Zones/Outputs
2=Options   3=Ver.
4=Logger    5=Print
```

B Select the required option or press ESC to return to the **READING PARAMETER** menu (step A).

```
RD: Choosing Menu
1=LOOP 1  2=LOOP 2
3=Outputs BELL
4=ZONES   5=NET
```

C Enter the address of the required **Item**, or press ESC to step back to the **Dev./Zones/Network** (step B).

```
RD: Devices  L1
   Enter Address
Sensors    L1: 1/##
Modules    L1: 1/__
```

✚ Position the cursor on Loop 1 then press the ↑ key to view the parameters of the Conventional Line.

If a valid address is entered the display will show the relevant data as described in the "PROGRAMMING".

Press the ← or → key to view the parameters of the other **Items** of the same type, or press ESC to enter another address (step C).

If an invalid address is entered at step C , the display will show the error message opposite. Press ESC then enter another address.

```
DEVICES LOOP1
  Device not
  configured
  on  LOOP 1
```

Options

This option from the **READING PARAMETER** menu shows the parameters of the **Options**.

Select **Options** from the **READING PARAMETER** menu (press 2), or press ESC to step back to the **MAIN** menu.

```
READINGS:
1=Dev./Zones/Outputs
2=Options   3=Ver.
4=Logger    5=Print
```

The display will show the **OPTIONS** menu (see the OPTIONS paragraph). Press ESC to step back to the **READING PARAMETER** menu.

```
RD: OPTIONS
Ø=P 1=W 2=V 3=D 4=T
5=S 6=H 7=D 8=Pulse
9=Extinction Mode
```

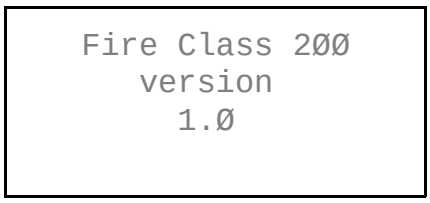
Version

The **Version** option from the **READING PARAMETER** menu shows the control panel version.

Select the **Version** option from the **VIEW PARAMETERS** menu (press 3), or press ESC to step back to the **MAIN** menu.

```
READINGS:
1=Dev./Zones/Outputs
2=Options   3=Ver.
4=Logger    5=Print
```

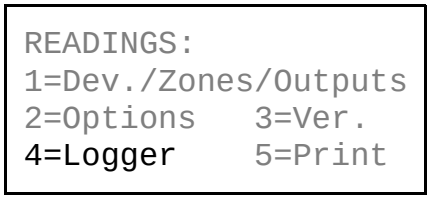
The display will show the control panel version. Press ESC to step back to the **READING PARAMETER** menu.



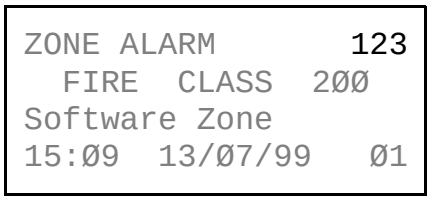
Logger

The FireClass200 logger can store the last 200 events. When the logger is full the oldest event will be deleted automatically to make space for a new event.

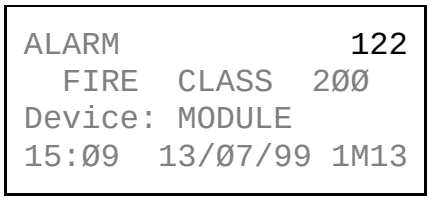
A Select the **Logger** option from the **READING PARAMETER** menu (press 4), or press ESC to step back to the **MAIN** menu.



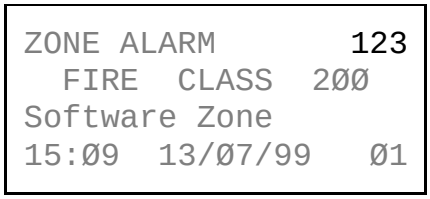
B The display will show the most recent event.
N.B. The example shows no.123 as the most recent event.



C Press the ← to scroll back.

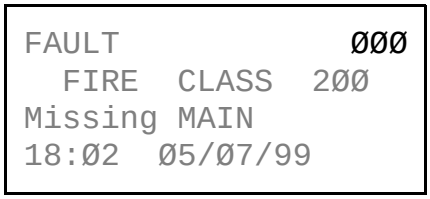


D Press the → key to scroll forward.



E Press ESC to quit and step back to **READINGS** menu.

When the ← key is pressed on the oldest event ...



... the most recent event will be shown.

```
ZONE ALARM        123
  FIRE  CLASS  2ØØ
Software Zone
15:Ø9  13/Ø7/99   Ø1
```

When the → key is pressed on the most recent event, the control panel will emit an error signal.

No event If, at step B, the logger is empty (no events), the display will show the LOGGER EMPTY message.

```
                  ØØØ
      LOGGER
      EMPTY
```

Delete Logger Use the **Delete Logger** option in the **MODIFYING** menu to delete the Logger contents.

Logger data

The following data is stored in the Logger (see fig. 5).

Event Type This is the description of the event.

Event Number This is the event number from 1 through 200.

Panel This is the control panel label (Master panel, Slave panel or Repeater) assigned during programming.

Origin This is the label of the **Item** which generated the event.

Hour/Date This is the exact time and date of the event.

Address This is the address of the **Item** which generated the event.

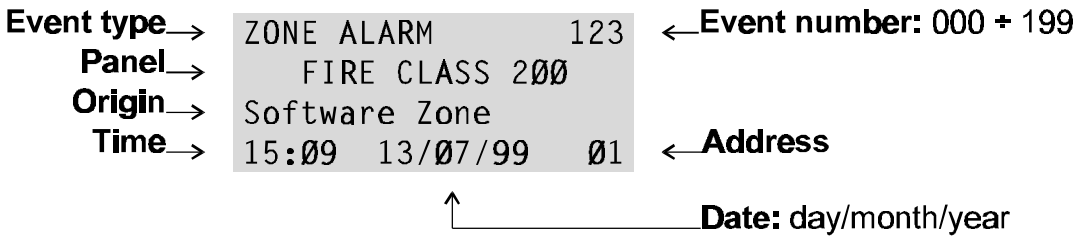


Figure 5 *Logger data.*

Print

The **Print** option from the **READINGS** menu prints all the logger contents on the connected printer.

A Select the **Print** option from the **READINGS** menu (press 5) or press ESC to step back to the MAIN menu.

```
READINGS:
1=Dev./Zones/Outputs
2=Options   3=Ver.
4=Logger    5=Print
```

B Select the **Logger** option (press 1) or press ESC to step back the **READINGS** menu.

```
READINGS
Print:
1= Logger
2= Programming
```

C Press the ↵ key to start the Logger Print or press ESC to quit and step back to **B**.

```
Logger Print
Start Print ?
Enter = Yes
Esc   = Exit
```

D The display will show the message opposite.

```
   Logger Print
      running
      please
      wait....
```

+ The control panel will continue functioning during the Logger printout.

Printer not enabled The printer must be enabled, otherwise, at step **D** the display will show the message opposite.

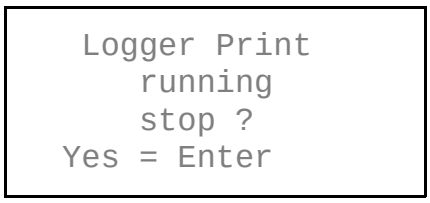
```
    Printer not
      enabled !
    Enable in
  menu' PRG:SYSTEM
```

Printer not connected The serial printer must be connected to the serial port of the control panel.

The control panel will ignore the fact that no printer is connected, or that the connected printer is not ready (paper out, no ink or blocked etc.). To stop the Print follow the instructions below.

Stop Print

To stop **Print** - proceed as per start **Print** . At step **C** press (when the ↵ key is pressed) the display will show the message opposite.



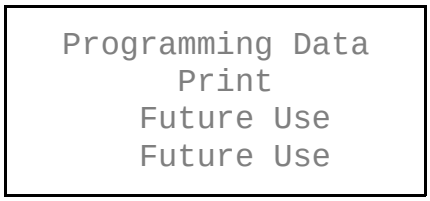
Press the ↵ key to stop the Print or press ESC to step back to **C**.

Print Programming

The **Programming** option from the **PRINT** menu is reserved for future use.

If the **Programming** option is selected from the **PRINT** menu ...

... the display will be as opposite.



Press ESC to step back to the **PRINT** menu (step **B**).