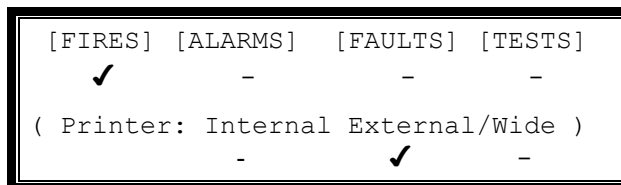


## External Printer Output

### Printer Configuration

This print format is supported from MX panel software, version 016 onwards. To configure the panel :-

1. Enter the “Print – Setup” option and tick the “External” option.



2. On the top line tick any events which should be automatically printed as soon as they occur.

- FIRES any device entering a fire condition
- ALARMS any device entering a pre-alarm or plant alarm condition
- FAULTS any fault detected by this panel
- TESTS any device that is activated during a fire-test

On networked systems the fires, alarms and tests, if selected, print events occurring on other panels in the network.

### RS232 Output Port

Both the MX4200 and MX4400 have inbuilt isolated RS232 outputs.

The MX4100 has an unisolated output and so should only be used in conjunction with the “UP-011” RS232 isolator.

No handshaking is required for external printing – the print data is transmitted from the serial “TX” output when the panel is at access levels 1 and 2. This port automatically changes over to a PC configuration port during commissioning.

Format - 8 data bits, no parity, 1 stop bit @ 9600 baud

All characters are ASCII, with control characters carriage return and line feed (0x0D, 0x0A) being sent at the end of each line.

### Print Format

Up to 7 lines are printed each time a Fire/Alarm/Test event occurs, in the following order :-

- Event Text
- Column description text (Always “Time/Date Node Lp:Addr Zone”)
- Time, Network node, Detector Loop, Detector Address, Detector Sub Address, Zone
- Date
- Detector Type/Device Type
- Zone location text (up to 32 characters)
- Detector location text (up to 26 characters)

The detector type is only shown if applicable (e.g. not shown for panel evacuate button ). Numbers for the Network node, Detector Loop, Address and Sub Address are only displayed if relevant.

The first line gives the nature of the event. The standard fire and alarm messages are tabulated below.

Event Text	Description
“FIRE EVACUATE”	A fire event from the panel “Evacuate” control key
“FIRE ALARM”	Fire from detectors, call points etc.
“FIRE TEST”	Detector or call point activated during zone(walk) test
“ALARM”	General alarm message (e.g. plant alarm)
“PRE-ALARM”	Fire detector exceeding pre-alarm threshold
“SECURITY ALERT”	Security input activated

If the option to print faults has been selected, then the nature of the fault will be shown (e.g. “DEVICE DIRTY” )

### Typical Print Out – Fire Condition (Standard print)

```
FIRE ALARM
Time/Date Node Lp:Addr Zone
18:36          1:002.0  0096
25/06/02
CALL POINT
EAST WING GROUND FLOOR
MAIN ENTRANCE LOBBY
```

### Typical Print Out – Fire Condition (Wide print)

```
FIRE ALARM
Time/Date Node Lp:Addr Zone
18:36          1:002.0  0096
25/06/02                                CALL POINT
EAST WING GROUND FLOOR MAIN ENTRANCE LOBBY
```

In “Wide” mode the detector type is shown on the same line as the Date. Zone location and detector location text are printed on the same line. Note that the “Wide” option is not permitted if an internal printer is also in use.

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