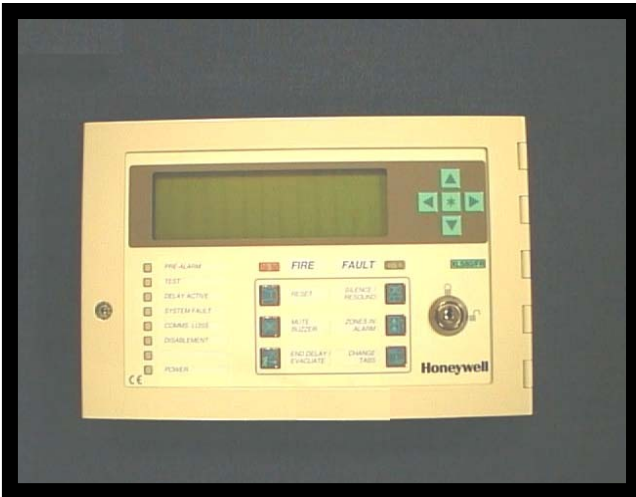


XLS80/FR Repeater Panel

SPECIFICATION DATA



FEATURES

- Certified to EN54 parts 2 and 4
- Drift compensation
- Fully compatible with XLS80e

DESCRIPTION

The XLS80/FR Repeater Panel provides a cost-effective panel that offers system designers and end users a technically sophisticated range of facilities and functions whilst maintaining ease of installation and operation.

The XLS80/FR Repeater Panel is fully compatible with the XLS80e Fire Control Panel that, in turn is compatible with the full range of Honeywell's TC800 Series analogue addressable devices. Combined, these panels provide the perfect solution for retrofit jobs as well as for new projects.

The XLS80/FR Repeater Panels are approved to meet with the requirements of EN54.

System

The XLS80/FR Repeater Panel is a compact repeater unit. It mimics all the main indications and controls on the XLS80e Fire Control Panel.

Each repeater requires external 18-32V dc. power supply for the electronics which are carried on the enclosure door. The repeater is fitted with a Termination PCB at which the communications link is connected. An optional Isolated RS232 Module kit (020-478-100) supports a printer (in development) and an optional Bezel kit allows for semi-flush mounting.

Communication

The XLS80/FR can also be networked with other XLS80e controllers and XLS80/FR repeaters in either "Peer-to-Peer" architecture or a master/slave network.

If installed as part of a "Peer-to-Peer" network each XLS80/FR Repeater Panel communicates with its linked XLS80e Fire Control Panel via the RS485 communications link. When connected, alarms from any other device on the network may be mapped to the repeater panel (default = all).

If installed as part of a "Master/Slave" network the XLS80/FR Repeater Panel communicates with the XLS80e Fire Control Panel using the RS485 signalling in a daisy-chain arrangement.

System Configuration

This XLS80/FR Repeater Panel requires limited configuration. Only the Language, the Access for Mute Buzzer and the Function (local operating standards) can be configured.

Displays and Printer

The XLS80/FR repeater panel has a Graphic Display unit (6 lines by 40 characters). The display is illuminated to assist viewing under dim ambient light conditions. 10 general status LEDs (including 1 spare), 6 control switches for Reset, Mute Buzzer, End Delay/Evacuate, Silence/Resound, Zones In Alarm and Change Tabs and a keyswitch to enable limited access.

The graphic display unit serves as the primary user. When the numeric keypad is not in use, the display reverts to automatically scrolling through any fire alarm or fault conditions present on the panel.

User definable text messages from the XLS80e Panel can be read directly on the graphic display unit giving details of fire and fault event locations. More detail about events and devices can be accessed

using the  and  arrows and the  (Zones In Alarm) button. Additionally, when the optional printer is used, this information can be printed out to provide a hard copy.

Protection

The user controls are protected and can only be operated after either turning the key or entering an appropriate passcode. Authorised access to higher level functions including device isolation and configuration data entry is available through the panel keyboard and is again passcode protected.

SPECIFICATIONS

Approvals:

EN54, CE

Operating Voltage

18-32V

Dimensions

165.0(h) x 253.5(w) x 50.0(d)

Environmental Operating Limits

Temperature: -5°C to +45°C
(recommended +5°C to 35°C)
Humidity: 5% - 95% relative humidity (non-condensing)

Construction

Mild steel sheet enclosure.
All displays and controls are carried on the enclosure door.

Cable Entry


5 x 20mm knockouts in top of enclosure.
3 x 20mm knockouts in back of enclosure.

User Controls

RESET
MUTE BUZZER
END DELAY/EVACUATE
SILENCE/RESOUND
ZONES IN ALARM
CHANGE TABS

Programming Controls

Navigation arrows , , , .

 is used to confirm repeater-specific menus and to select various menu options, as defined on the menus.

Indicators

- FIRE
- FAULT
- PRE-ALARM
- TEST
- DELAY ACTIVE
- SYSTEM FAULT
- COMMS LOSS
- DISABLEMENT
- Spare
- POWER

Internal Sounder

Fire:	Continuous pulses
Pre-alarm:	3 pulses every 12 seconds
Fault:	Continuous tone
Fire (accepted):	3 pulses every 12 seconds
Pre-alarm (accepted):	3 pulses every 12 seconds
Fault (accepted)	1 pulse every 2 minutes
Disablement	1 pulse every 2 minutes

LCD Display

Graphic 240 x 64 pixel back-lit display (6 x 40 characters)

Key Operated Switch

Level 2 access code keyswitch

RS485 Isolated Serial Port

Isolation:	Functional at 42V
Baud rate:	1200 Baud
Connector:	Screw terminals on Termination Board
Maximum cable length:	3000m (minimum of 1mm ² screened cable recommended)

RS232 Serial Port - Temporary PC connection

Baud rate:	9600 Baud
Connector:	D-type on Control Board
Max. cable length:	5m

RS232 Isolated Serial Port (Optional) - Printer Connection

This port is not yet supported - future development only.

Isolation:	Functional at 42V
Baud rate:	9600 Baud
Connector:	Terminal block on RS232 Board
Max. cable length:	15m

Honeywell Fire & Security Europe
Via Tintoretto, 15
I - 21012 CASSANO MAGNAGO (VA)
ITALY

Phone: +39.0331.704401
Fax: +39.0331.704495

Honeywell