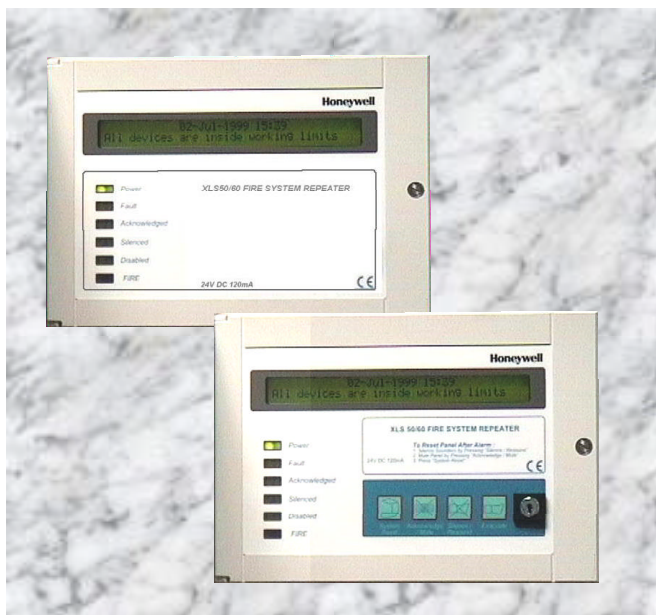


XLS 50/60 Remote Annunciators (BASIC AND FULL REPEATERS)

SPECIFICATION DATA



FEATURES

- Compatible with XLS50 and XLS60 intelligent fire alarm panels
- Connects to the Peripheral Bus (RS485)
- Basic (passive) and Full (active) repeater options
- Back-lit LCD Display provides 2x40 characters for event and location information
- Six general system status LEDs
- Controls for Reset, Acknowledge/Mute, Silence/Resound and Evacuate (Full Repeater only)
- "Access Enable" key-switch (Full Repeater only)
- Up to 31 Basic Repeaters or 31 Full Repeaters can be connected to a peripheral bus

DESCRIPTION

The XLS50/60 Remote Annunciators are compact remote I/O device for the XLS50 and XLS60 intelligent fire alarm systems. These units, along with other remote I/O devices and the external printer provide a complete range of peripheral devices to further enhance the functionality and expandability of the XLS50/60 systems.

The Remote Annunciators provides an extension to the operation of the Fire Alarm Control Panel (FACP). There are two types available; the Basic (passive) Repeater and the Full (active) Repeater. Both types display the operational state of the FACP using the 2x40 LCD display and the six common status LED indicators (Power, Fire, Fault, Acknowledged, Silenced, Disabled). In addition to the panel status indication, the Full Repeater is equipped with a key operated "Access Enable" switch and can also control the FACP using the SYSTEM RESET, ACKNOWLEDGE/MUTE, SILENCE/RESOUND, and EVACUATE functions.

The annunciators are connected to the XLS50/60 panel via the RS485 peripheral port (Port D). An RS485 (or Hi-485) communication card must be fitted in the XLS50 or XLS60 fire alarm panel for that purpose.

The FACP supervises the Full Repeater whereas the Basic Repeater is a passive device and is not supervised by the FACP. In case of a communication failure both annunciators will indicate a System Trouble whereas the FACP will only indicate a communication failure with a Full Repeater.

The remote annunciators require an external power supply to operate. This may be taken from the auxiliary power supply output on the XLS50/60 or any other suitable DC supply of suitable voltage and current rating listed for Fire Protection use.

The RS485 peripheral address is set via an onboard DIP switch and other peripherals can be daisy chained together on the same line. Up to a maximum of 31 basic repeaters or 31 full repeaters or a combination can be connected a peripheral bus.

SPECIFICATIONS

Operating Voltage:

21.5 to 25.5Vdc (+10%, -15%)

Current Consumption (typical at 24Vdc):

Stand-by: 125mA (@24Vdc)

Environmental Limits:

Operating temperature: 0° to 49° C

Humidity: 95% non-condensing

Dimensions:

Width: 225 mm

Height: 156 mm

Depth: 51 mm

Weight:

750 gr.

Installation:

Four fixing holes in the back of the plastic enclosure provide easy mounting for the units. A recess mount bezel is also available. Three 20mm knock-outs provided in top and bottom of the enclosure for cable entry.

Terminals:

Screw terminals

Maximum cable cross sectional area 2.5 mm².

Wiring:

Maximum Peripheral Bus Length: 1,200m

150 Ohm End-of-Line resistors required at both ends of the RS485 circuit

Recommended Cable:

Belden 8760 or equivalent twisted shielded pair

Approvals:

CE

Display:

2x 40 character LCD alphanumeric display with back-light

LED Indicators:

DC Power: Green, Indicates that DC power present (must be always ON)

Fault: Yellow, indicates a fault on the FACP

Acknowledged: Yellow, an operator ACK'd the event at either the FACP or the Full Repeater (FR), Internal Buzzer silenced.

Silenced: Yellow, sounders silenced by an operator at either the FACP or the FR

Disabled: Yellow, part of the system, either input or an output, has been disabled by an operator at the FACP

FIRE: Red, indicates a fire alarm in the system

User Controls (Full Repeater Only):

To enable the control keys, insert the key and turn the lock (anti-clockwise) to the 'Enable' position. Press and hold the key down for two seconds. The operation of these keys is identical to the four control keys on the FACP and is detailed in the following table.

System Reset: Press to cancel all alarm conditions and reset the panel

Acknowledge/Mute: Press to acknowledge events and silence the internal buzzer. This also silences the internal buzzers of the FACP and any other Annunciators connected to the panel.

Silence/Resound: Press to Turn Off all activated sounders. Press again to re-activate the sounders.

Evacuate: Press to Turn on ALL Sounder Outputs (i.e. evacuate building manually)

Models:

- XLS60/BR Basic Repeater, Display only
- XLS60/FR Full Repeater, Display and Control

Other Accessories:

- 795-004 RS485 Communication Module
- 795-038-001 Hi-485 High Integrity Module
- 797-059 Flush Mounting Bezel

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