

XLS 50/60 Printer Options

SPECIFICATION DATA



FEATURES

- Compatible with XLS50 and XLS60 intelligent fire alarm panels
- Internal (XLS60 only) and external printer options
- External Printer Option:
 - Local or Remote connection options
 - Built-in 230Vac power supply and battery charger
 - Four LED status indications
 - Up to 1km from the Fire panel (Peripheral Bus Connection - RS485)
 - Up to 31 Remote Printers can be connected to a peripheral bus

DESCRIPTION

The XLS50/60 Local and Remote Printers are compact I/O devices 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.

Combined with the LCD display on the fire alarm control panel, the XLS50/60 printers provide enhanced alarm/trouble recording. On a change of state, the printer prints out all the information on the LCD display (the logical address and description of the point, the status of the point) with a date and time stamp.

There are two versions of the printers available:

- 40 character internal printer (XLS60 only)
- 40 character external wall mount printer (XLS50 and XLS60)

The 40 character internal printer provides a compact printer unit that can be directly installed in an XLS60 panel to provide hard copy print-out of the events at the panel. The printer mechanism and the interface card are mounted on the door of the XLS60 in the space provided below the zone indicators. When a local printer is required with the XLS50 fire alarm panel the external printer option must be used.

The 40 character external printer provides a self-contained printer unit with a built-in power supply and battery charger that can be connected to both the XLS50 and XLS60 panels to provide hard copy print-outs of the events as displayed by the fire alarm panel. The external printer comes complete with its own enclosure to house the communication electronics and the back-up batteries and can be mounted on a wall.

The external printer can be driven directly from Port A on the XLS50 or XLS60 panel when used as a local printer near the panel or alternatively it can be connected on the RS485 peripheral bus (Port D) to provide remote printer capability. Up to 63 remote printers can be connected to an RS485 bus. An RS485 (or Hi-485) communication card must be fitted in the XLS50 or XLS60 fire alarm panel if remote printer option is required.

When the external printer is connected to a master or to a superior master panel, all events across the system can be printed on that particular printer. When connected to a slave panel the printer will only print the events indicated on the local panel. The user can select the specific message types that can be printed on an external printer using the printer configuration jumpers.

SPECIFICATIONS

Operating Voltage:

Internal printer: 8 VAC from the secondary winding of the transformer in the XLS60
External printer: 230Vac, 50Hz

Current Consumption:

External printer: 100mA

Stand-by batteries (external printer):

6V, 1.2Ah (24 hours stand-by, 30 min. printing)

Environmental Limits:

Operating temperature: 0° to 49° C
Humidity: 95% non-condensing

Dimensions:

Internal printer:
Width: 90 mm
Height: 90 mm
Depth: 110 mm
(It is recommended to use an external battery box when the internal printer is used)

External printer (boxed):

Width: 400 mm
Height: 170 mm
Depth: 130 mm

Weight:

Internal printer: 320 gr.
External printer: 5.1 kg

Installation:

Internal printer:
Mounting studs provided on the door of the XLS60 control panel

External printer:
Wall mounted. Four fixing holes in the back of metal enclosure provide easy mounting for the unit. Two 20mm knock-outs provided in the top of the enclosure for signal and mains cable entry.

Terminals:

Screw terminals
Maximum cable cross sectional area 2.5 mm².

Wiring:

Connected to Port A: max. 0.5 m from the control panel

Connected to Port D:
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

LED Indicators (external printer):

Data: Red, flashes when printer receives valid data
Fault: Yellow, illuminates when printer enters fault mode
AC Supply: Green, illuminates when printer has mains supply
DC Supply: Green, illuminates when printer has a mains supply or an adequate battery supply

User Controls (external printer):

PB1: Printer Test or Paper Feed (selectable via J1)
J2/J3: In/In: Print all information
Out/In: Print all messages in Auto mode (no manually selected information such as event log data)
Out/Out: Print all fire alarms in Auto mode (no manually selected information such as event log data)

Approvals:

CE

Models:

- XLS60/EPR 40 character self-contained external printer
- 795-051 40 character internal printer (XLS60 only)

Other Accessories:

795-004 RS485 Communication Module
795-038 Hi-485 High Integrity Module
796-041 6V/1.2 Ah batteries
796-042 Replacement thermal paper roll
797-054 Flush mounting bezel
797-056 Flush Mounting Bezel for XLS50 and XLS60/EPR External Printer Combined (when mounted together)

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