features

- Compatible with ZX series multi protocol intelligent fire alarm control panels

- Internal (ZXe/ZX5e only) and external printer options

- External printer option:

- Local or remote connection options

- Built-in 230Vac or 110Vac power supply and battery charger

- Four LED status indications Up to 1.2 Km (3937 ft) from the fire panel (Peripheral bus connection - RS485)

- Up to 31 remote printers can be connected to a peripheral bus

The Local and Remote Printers are compact I/O devices for the intelligent multi protocol fire alarm control panels. These printers, along with other remote I/O devices provide a complete range of peripherals to further enhance the functionality and expandability of the Morley-IAS ZX series panels.

Combined with the LCD on the fire alarm control panel, the printers provide enhanced alarm fault recording. On a change of state, the printer documents all the information on the LCD (the logical address and description of the point, the status of the point) with a date and time stamp.

Two versions of the printers available:

- 40 Character internal printer (ZXe & ZX5e only)

- 40 Character external wall mount printer (ZXa,ZXe, ZX1e, ZX2e, ZX5e)

The 40 character internal printer can be installed directly in a ZXe/ZX5e panel to provide hard copy print-out of the events at the panel. The printer and the interface
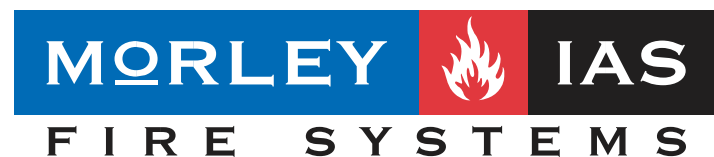
ZX series Printer Options

card are mounted on the door of the ZXe/ZX5e in the space provided below the zone indicators. When a local printer is required with the ZX1, ZX1e, ZXa or ZX2e control panel the external printer option must be used.

The 40 character external printer is a selfcontained printer with a built-in power supply and battery charger that can be connected to both the ZX series control panels to provide hard copy documentation of the events as displayed by the fire alarm contol 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 ZX series panels when used as a local printer near the panel. Alternatively it can be connected on the RS485 peripheral bus (Port D) to provide remote printer capability. Up to 31 remote printers can be connected to an RS485

bus. An RS485 communication card must be fitted in the ZX series control panel if a 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 print only the events indicated on the local panel. The user can select the specific message types to be printed on an external

Data Sheet

printer using the printer configuration jumpers.

mechanical

Dimensions (H x W x D):

Internal Printer:	90 x 90 x 110 mm
External Printer:	170 x 400 x 130 mm

Weight:

Internal Printer:	320 gr. (11 oz)
External Printer:	5.1 kg (11 lbs)
Operating temperature:	0°C to 49°C
Humidity:	10% to 93% non-condensing

electrical

Operating voltage   :

Internal Printer:	8 Vac from the secondary winding of the transformer
External Printer: Current consumption:	110 Vac 60Hz or 230 Vac 50Hz
External Printer:	100 mA

Stand-by batteries

(external printer only):	6V, 1.2Ah
	(24 hours stand-by, 30 min. printing)
Terminals:	Maximum cable cross sectional area 2.5mm^2 (13 AWG)

Wiring:

Connected to Port A:	Maximum 0.5 m (2 ft) from the control panel.
Connected to Port D:	Maximum Peripheral Bus Length:1,200 m (3937 ft) 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 Automode (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).

part numbers

EN54

795-051-001	40 character internal printer (can be used with ZX/ZX5e only)
795-060-002	40 character self-contained external printer, 230VAC

Other accessories:

795-004-001	RS485 Communication module
795-038-001	Hi-485 High integrity module
796-042	Replacement thermal paper roll for external printer, 795-060-002.
796-017	Replacement paper roll for internal printer, 795-051-001.

Note:

1)   It is recommended to use an external battery box whenthe internal printer is fitted.

2)   Internal printers can only be mounted in ZXe or ZX5econtrol panels.

3)   150 Ohm end-of-line resistors are required at both endsof the RS485 circuits.

4)   Only one type of printer can be used with the ZXe orZX5e control panel either internal or external.