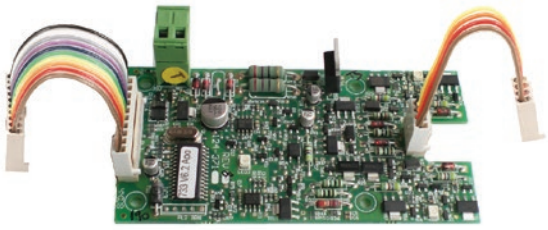
Honeywell | Fire Safety

MORLEY IAS FIRE SYSTEMS

Loop driver card for Apollo Discovery or XP95 Protocols

Product Overview



The Apollo Loop Driver is a plug-in card for use in the ZXSe series intelligent multi-protocol fire alarm control panels. This card allows ZXSe series control panels to support input/output points from Apollo, XP95 and Discovery series addressable devices such as:

- Optical smoke sensors
- Heat sensors
- Multi sensors
- Intrinsically safe heat and smoke sensors
- Loop powered beam detectors
- Switch and zone monitors
- Output and sounder control modules
- Manual call points
- Loop powered addressable sounders

The plug-in card provides power for and handles communications to the addressable devices. The loop driver continuously monitors the analogue values of all sensors and displays this value on the panel as a percentage of the alarm threshold value. Both the alarm and pre-alarm threshold levels can be adjusted from the control panel if required.

Up to 126 devices can be connected to a single loop driver card. Each Apollo device has either an XPERT key (in the detector base) or a Dual-In-Line (DIL) Switch (on the module) to allow a unique address, in the range 001 to 126, to be selected.

The loop driver can support class-A and class-B wiring confi gurations. Short-circuit isolation and double address detection are built into the plug in card.

The AUTO-LEARN facility provided in the ZXSe series control panels saves considerable time and effort when installing a new loop or when changing sensor confi guration. It allows the system to learn for itself what devices have been installed on the loop.

KEY FEATURES

- Compatible with ZX Se series intelligent multi protocol fire alarm control panels
- Provides one class-A or class-B loop
- Supports Discovery and XP95 detectors and modules
- Plug-in connection
- Double address detectionConnects to the peripheral bus (port D) on the fire alarm control panel

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Technical Specifications

MECHANICAL	
DIMENSIONS (HXWXD)	105 X 54 X 25 MM
WEIGHT	44 GR.
OPERATING TEMPERATURE	0°C TO 49°C
HUMIDITY	85% non- condensing
ELECTRICAL	
LOOP VOLTAGE	35V - signaling pulses
POWER CONSUMPTION	12mA (excluding loop devices)
MAXIMUM CONTINUOUS LOOP DRIVE CURRENT*	460mA (pulse signalling current)
MAXIMUM CIRCUIT RATING - RESISTANCE**	100 Ohm max.
MAXIMUM CIRCUIT RATING - CAPACITANCE	0.5µF max.
DIAGNOSTICS	Two diagnostic LEDs to indicate which end of the loop is being driven
LOOP TERMINATIONS	Screw terminals on the motherboard for a maximum cable cross sectional area of 2.5mm2 (13AWG) removable block.
WIRING	Class A or class B with shielded, twisted wire

* Remember to check loop and control panel loadings using the latest version of the Morley-IAS loop and battery calculator tool.

** Double address detection cannot be guarantee with a loop resistance > 40 Ohms

PART NUMBERS	
DESCRIPTION	ORDER CODES
LOOP DRIVER CARD FOR APOLLO DISCOVERY OR XP95 PROTOCOLS, 460MA	795-066-100

For more information
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For further details on these or any other Morley-IAS products please contact your local distributor, Morley-IAS Business Manager or via our contact details found below. Morley-IAS - Providing a control panel solution, for fire industry professionals, committed to supporting our device partners.*

*Please contact us for full compatibility details of supported third party devices.

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