8 Way Programmable Input Card

Product Overview

The 8-way programmable input card is a compact remote I/O device for the ZX series intelligent multi protocol fire alarm control panels. This device, along with other remote I/O devices, the repeater units and the external printer provide a complete range of peripheral devices to further enhance the functionality and expandability of the ZX series systems.
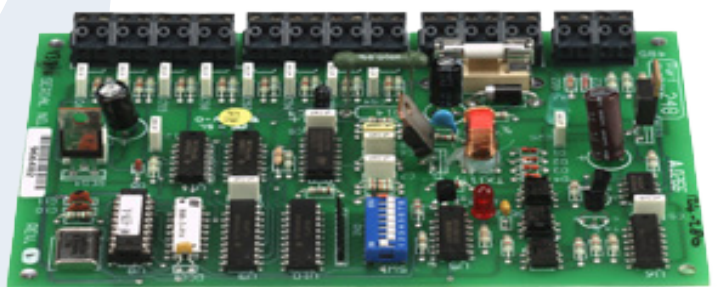
The 8-way input card consists of 8 non- supervised monitoring circuits built on a single printed circuit board. Each input is equipped with a pair of terminals to accept an input form an external NO clean contact suitable for low voltage / low current switching. Each input can be individually programmed to generate one of the five input events in the panel: Fire, fault, bomb alert, class change, or security.

The "Auto-Learn" facility in the ZX series control panels will automatically determine the number of modules connected to the peripheral bus and add each input card to the list of inputs in the panel. Once the inputs are learned, then each of these inputs can be programmed with the desired input event type.

The card can be set in either standard mode with a single address, zone number and device description common to all inputs or in expended mode where each input has its own peripheral address, zone number and device de-scription. When used in the expended mode one 8-way input card occupies eight peripheral addresses and there-fore the addresses 1 to 8 cannot be used by any other peripheral bus device (i.e. the next bus card/device must be set to address 9 or higher).

Key Features

- Provides 8 programmable inputs
- Individual or community addressing
- Compatible with ZX series intelligent multi protocol fire alarm control panels
- RS485 communication
- Connects to the peripheral bus (port D) on the fire alarm control panel
- Up to 31 can be connected to a peripheral bus
- Easy DIP switch addressing
- Can monitor normally-open clean contact devices
- Fire, fault, bomb alert, class change and security event options

The 8-way programmable input card requires a 24 V to 28 Vdc external power supply to operate. This may be taken from the auxiliary power supply output on the ZX series control panel or any other suitable DC supply of suitable voltage and current rating.

The 8-way input card connects to the ZX series control panel via the RS485 peripheral port (port D). An RS485 communication card must be fitted in the ZX series fire alarm control panel for that purpose.

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 input points can be used on a peripheral bus. This number is reduced when any other peripheral devices are used on the same bus.

Mechanical:

Dimensions (HxWxD):	113 x 160 x 22 mm
Weight:	120 gr. (4 oz)
Operating temperature:	0°C to 49°C
Humidity:	10% to 93% non- condensing

Electrical:

Operating Voltage:	24 to 28 Vdc
Current consumption (typical at 24Vdc):	
Stand by:	65mA (all inputs open)
Alarm (max):	97mA (all inputs closed)
Addressing:	DIP switch (1-126)
Terminals:	Maximum cable cross sectional area 2.5 mm^2 (13 AWG) removable block
Peripheral bus:	Maximum bus length: 1,200m (3937 ft)
Recommended cable:	Belden 8760 or equivalent twisted shielded pair.
Note:	150 Ohm end-of-line resistors required at both ends of the RS485 circuit.

Part Numbers:

Description	Order Codes
EN54 8-way programmable input card	795-029
Other accessories:	
RS485 communication module.	795-004-001
Hi-485 high integrity module.	795-038-001

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 by Honeywell - Providing a control panel solution, for fire industry professionals, committed to supporting our device partners.

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