

4 Way Programmable Relay Card

Product Overview

The 4-way programmable relay 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 4-way relay card consists of 4 relay outputs built on a single printed circuit board. Each output relay provides single pole double throw (SPDT) switching action for other locally powered equipment. The form C relay contacts are designed to switch resistive loads of up to 1A/24V ac/dc.

The 4-way relay card connects to the ZX series control panels via the RS485 peripheral port (Port D). An RS485 communication card must be fitted in the ZX series control panel for that purpose.

The "Auto-Learn" facility in the ZX series control panels will automatically add each relay output to the list of relay outputs in the panel. Each of these relays can be assigned to any zone on the system and can be individually programmed for NORMAL, DELAYED, or DOUBLE-KNOCK operation.

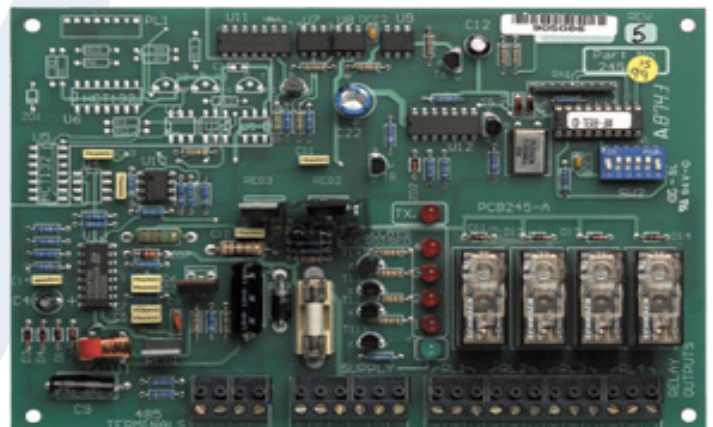
The 4-way relay card requires a 24V to 28 Vdc external power supply to operate. Power may be taken from the auxiliary power supply output on the ZX series control panel or any other suitable DC supply of suitable voltage and current rating.

The RS485 peripheral address is set via an onboard DIP switch and other peripherals such as repeaters can be

daisy chained together on the same line. Up to a maximum of thirty-one, fourway programmable relay cards can be connected to a peripheral bus. This number is reduced when any other peripheral devices are used on the same bus.

Key Features

- Provides four individually programmable relay outputs
- Compatible with ZX series intelligent multi protocol fire alarm control panels
- RS485 communication
- Connects to the peripheral bus (Port D) on the fire alarm panel
- Up to 31 on one peripheral bus
- Easy DIP switch addressing
- Normal, delayed or double-knock operation options
- LED relay status indication
- Contact rating: 1A at 24V AC/DC



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FIRE SYSTEMS

by Honeywell

Mechanical:

Dimensions (HxWxD):	130 x 180 x 35 mm
Weight:	200 gr. (7 oz)
Operating temperature:	0°C to 49°C
Humidity:	10% to 93% non- condensing

Electrical:

Operating Voltage:	24 to 28 Vdc
Current consumption:	
Stand by:	80mA (no relay energised)
Alarm:	200mA (all four relays energised)
Relay contact rating:	1A at 24 Vac/dc
Addressing:	DIP switch (1-31)
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 4-way programmable relay card	795-014
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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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DOC REF: MIAS
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