4 Way Programmable Sounder Cards

Product Overview

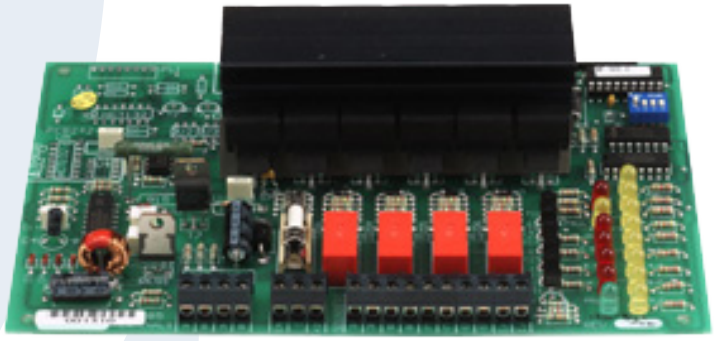
The 4-way programmable sounder card is a compact remote I/O device for the ZX series intelligent multi protocol fire alarm control panels. This device, along with other remote I/O devices, the repeater units and the external printer provide a complete range of peripheral devices to further enhance the functionality and expandability of the ZX series systems.

The 4-way sounder card consists of 4 supervised sounder outputs built on a single printed circuit board Each sounder output provides a supervised 24Vdc polarity reversal circuit. This output can be used to drive bells, electronic sounders and strobes. Each output circuit can provide up to 1A with a maximum of 3A spread over all four outputs.

The 4-way sounder 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 intelligent multi protocol fire alarm control panel for that purpose. The “Auto-Learn” facility in the ZX series control panels will automatically add each circuit to the list of sounder outputs in the panel. Each of these outputs can be assigned to any zone on the system and can be individually programmed for NORMAL, PULSED, DELAYED, or DOUBLE-KNOCK operation. Each sounder output is monitored for open and short circuits, with individual LED indication on the card for the status of each circuit.

Key Features

- Provides four individually programmable sounder 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 control panel
- Up to 15 on one peripheral bus
- Easy dip switch addressing
- Delayed or double-knock operation options
- Fault input for external power supply monitoring
- LED sounder status indication



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An external fault input is available for monitoring a pair of external clean contact (normally closed) in case the 4- way sounder card is powered from an external power supply.

The 4-way sounder card requires a 24V to 28 Vdc external power supply to operate. It is recommended that power is provided by another suitable DC supply of suitable voltage and current rating.
The RS485 peripheral address is set via an onboard DIP switch and other peripherals can be daisy chained on the same line. Up to a maximum of fifteen, four-way programmable sounder cards can be connected to a peripheral bus. This number is reduced when any other peripheral devices are used on the same bus.

Mechanical:

Dimensions (HxWxD):	125 x 190 x 50 mm
Weight:	230 gr. (8 oz)
Operating temperature:	0°C to 49°C
Humidity:	10% to 93% non- condensing

Part Numbers:

Description	Order Codes
EN54 4-way programmable sounder card	795-015

Other accessories:

RS485 communication module.	795-004-001
Hi-485 high integrity module.	795-038-001
Sounder Booster Unit.	795-016
24Vdc, 2A PSU/charger.	002-225-229
24Vdc, 5A PSU/charger.	795-063

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.

Electrical:

Operating Voltage:	24 to 28 Vdc
Current consumption (typical at 24Vdc):	
Stand by:	120mA (all outputs off)
Alarm:	220mA + sounder load (all four outputs on)
Addressing:	DIP switch (1-15)
Terminals:	Maximum cable cross sectional area 2.5 mm2 (13 AWG) removable block.
Peripheral bus:	Maximum bus length: 1,200m (3937 ft) 150 Ohm end-of-line resistors at both ends of the RS485 circuit.
Note:	
Recommended cable:	Belden 8760 or equivalent fire rated cable.
Output circuits:	2K2 Ohm. End-of-line resistor required for supervision.

Every care has been taken in the preperation of this datasheet but no liability can be accepted for the use of the information therein. Design features may be changed or amended without prior notice. © Morley-IAS by Honeywell 2014

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