

B.M.S INPUT - OUTPUT MODULES SINGLE AND ADJUSTABLE RELAY

ESRM..

■ DIN RAIL mounted relay modules compatible with building management systems, providing a switched output when an input signal is applied.
 The 12VDC relay is suitable for use with TREND controllers ONLY which give a 0-10vdc output. For other 0-10vdc systems use model ESRM-10.



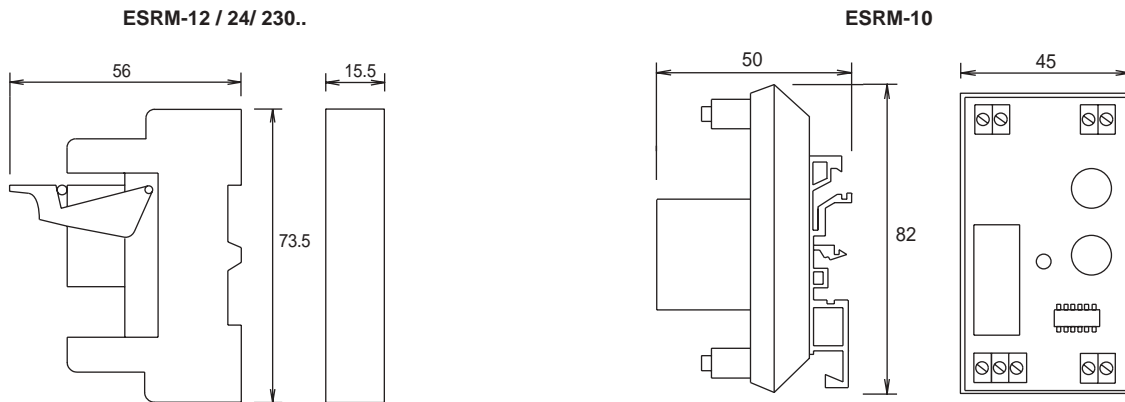
Volt free contacts
 Din rail mounting
 Max Ambient -20 /+50°C
 Auto eject relay clip
 Flammability = UL94-V0

ESRM-10 only:
 Off-On-Auto link to aid commissioning.
 LED light on when relay energised.
 Input current > 0.5mA

Type	Switch Point Input Approx.	Coil Voltage	Coil Resistance	Coil Current Approx mA	Switch Rating 230VAC SPDT	Compatibility	Enclosure
ESRM-12DC	8 VDC	12 VDC	576Ω	20	10(3)A	TREND IQ 0-10vdc ONLY	IP00
ESRM-24DC	17 VDC	24 VDC	1440Ω	18	12(3)A	24vdc B.M.S. controllers	IP00
ESRM-24AC	17 VAC	24 VAC	350Ω	32	12(3)A	TREND IQ	IP00
ESRM-230AC	172 VAC	230 VAC	32500Ω	3.3	12(3)A	Most B.M.S. controllers	IP00

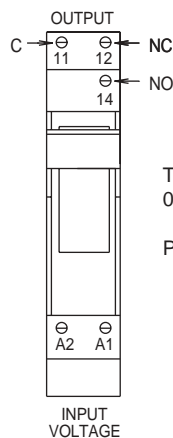
Type	Input	Supply ± 15%	Switch Rating 230VAC SPDT	Feedback Output	Consumption	Enclosure
ESRM-10	0-10VDC adj.	24VAC/DC	10(3)A	0-10VDC	51mA	IP00

DIMENSIONS:



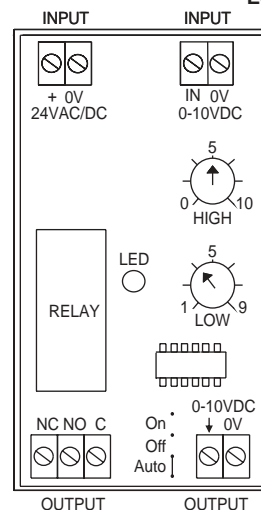
WIRING:

ESRM-12 / 24/ 230..



Terminal Size:
 0.5 - 2.5mm² rising clamps
 Polarity is not important

ESRM-10



When the 0-10vdc input signal increases to the High setting contacts C-NO close.

When the 0-10vdc input signal decreases to the Low setting contacts C-NO open.

INSTALLATION:

Terminals 0.5-2.5mm² rising clamps
 Screened cable is recommended
 Keep sensor/control signal wires away from power cables/units which may cause interference.

Min sensor / control signal cable size 7/0.2mm
 The screen should be earthed at the controller end only
 Max length 100m.

CAUTION:

Some of these products may be connected to 230VAC supply. Device should be checked by a qualified technician before applying any voltage.
 Some of these devices are suitable for low voltage supply only. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings.
 Isolate device from electrical supply before removing cover. Observe precautions for handling electrostatic sensitive devices.
 Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted.
 All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

