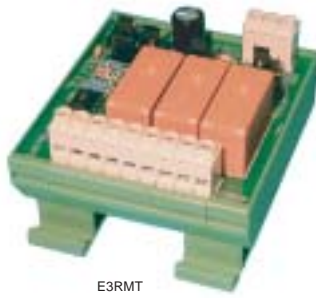


B.M.S INPUT - OUTPUT MODULES 3 STAGE RELAY, SEQUENCE, BINARY 0-10VDC

E3RMT

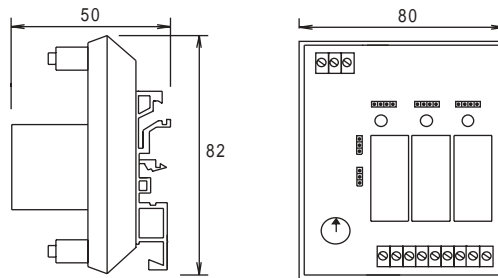
These products accept a 0-10vdc input and produce a 3 stage relay output which can be used for external plant switching. 4 modes of operation can be selected: 3 stage switching, Heat - Cool + Fan, Sequence or 2 Stage Binary. For multi-stage heating & cooling, 2 of these units or other relay modules can be used with the E13.. temperature controllers or similar.



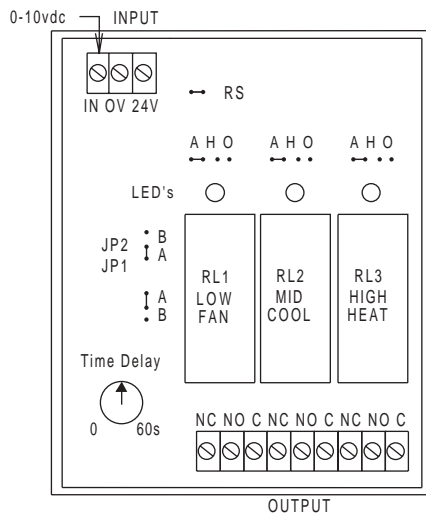
ON-OFF-AUTO Manual Override links on each relay: -
ON = Energised
OFF = De-energised
AUTO = Controller operated
Volt free contacts LED's indicate relay status
Din-Rail mounting Consumption 80mA
Input current > 1 mA
Max Ambient -10 /+50°C
Flammability = UL94-V0

Type	Supply ±10%	Input Signal	Switch Rating 230VAC SPDT	Operation Selectable	Time Delay	Enclosure
E3RMT	24VAC/DC	0-10VDC	3 x 10(3)A	3 Stage relay or Fan + Cool/Heat Sequence or 2 Stage Binary	0-60s	IP00

DIMENSIONS:



WIRING:



Time Delay : Allows a time period before each stage switches on or off. Set to 0 if not required.

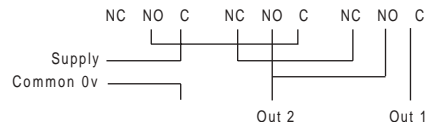
RS : Remove jumper before changing position of JP1 or JP2. Alternatively disconnect the power supply. Replace jumper RS after changing JP1 or JP2

AHO : A = Auto H = Relay On O = Relay Off

JP1/ JP2 : Mode settings

MODE	JP1	JP2
3 stage	A	A
Fan + heat/cool	B	B
Sequence	A	B
2 stage Binary	A	A

Binary Wiring:



INSTALLATION:

3 STAGE RELAY MODE
1-3 switch on as input increases

	LOW	MID	HIGH
0v	OFF	OFF	OFF
4v	ON	OFF	OFF
7v	ON	ON	OFF
10v	ON	ON	ON

FAN - HEAT - COOL MODE

	FAN	COOL	HEAT
0v	OFF	OFF	OFF
4v	ON	ON	OFF
7v	ON	OFF	OFF
10v	ON	OFF	ON

SEQUENCE MODE
Only 1 stage on at any time

	RL1	RL1	RL 2
0v	OFF	OFF	OFF
4v	ON	OFF	OFF
7v	OFF	ON	OFF
10v	OFF	OFF	ON

BINARY MODE

	OUT 1	OUT 2
0v	OFF	OFF
4v	ON	OFF
7v	OFF	ON
10v	ON	ON

All values are maximum switching points. Exact switching points may be slightly lower than those stated.

Terminals 0.5-2.5mm² rising clamps
Screened cable is recommended

Min sensor / control signal cable size 7/0.2mm
The screen should be earthed at controller end only

Max length 100m

Keep sensor/control signal wires away from power cables/units which may cause interference.

CAUTION:

Some of these products may be connected to 230VAC supply. Some of these devices are suitable for low voltage supply only. Isolate device from electrical supply before removing cover. 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.

Device should be checked by a qualified technician before applying any voltage. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Observe design limits of temperatures/electrical ratings.

