

Description

The MOD 2 RM Module is intended for use with Direct Digital Controllers to convert an Analogue Output signal to a Raise/Lower or Stepped Output.

The MOD 2 RM Module is constructed on a Epoxy Glass Laminate and housed in an industry standard 80mm DIN Rail Mounting. Generous 2.5mm² terminals are provided for the field interconnections.

The MOD 2 RM Module is CE rated and is RoHS compliant.



Applications

Applications include the switching via Relay contacts of any Plant up to a 10Amp resistive load.

Switching of electric heater banks, raise/lower damper or valve actuators and plant lead/lag changeover.

To provide Local Manual Control of the Plant in case of controller failure.

Local Manual Control of the Plant will also enable pre-commissioning and testing.

To provide a Local LED indication of Output Status.

To provide isolation of the controller from the Harsh Plant Environment, protecting the Controller.

The inputs require only 1mA @ 0 to 10V DC to switch which allows controllers with limited output capability to operate correctly.

Features

Expands controllers output capacity.

LED status indication.

Provides 2 SPDT Relay Output channels C/NO/NC

Design for DIN rail mounting.

Auto/On/Off jumper for plant checkout and override.

Rising cage Terminals.

Universal AC or DC Supply.

Flame retardant Polyamide DIN mounting.

A remote Auto/On/Off Switch is available.



Specifications

Input Signal:	0 to 10V DC @ 1mA Max. 0 to 20mA or 4 to 20mA available on request.
Output Contacts:	10 Amp @ 230V AC Resistive. S.P.D.T.
Power Supply:	24V DC @ 40mA or 24V AC @ 1 VA (+/-15%)
LED Indication:	ON when relay energised.
Output States:	Jumper selectable AUTO/ON/OFF. Auto, controlled by input. On, always on. Off, always off.
Electrical connections:	Rising cage terminals for 0,5 to 2,5mm ² cable.
Ambient Conditions:	-10 to 50°C 0 to 80% RH non-condensing.
Dimensions:	80 x 45 x 52mm.
Weight	80g
I.P. Rating:	IP00.
Mounting	Flame retardant green Polyamide 66 UL 94V0 moulding. To suit 35mm top hat din rail.

Switching Tables

Raise/Lower mode R selected

Input	Relay A	Relay B	Function
0V DC	OFF	OFF	Off
4V DC	ON	OFF	Lower
7V DC	OFF	OFF	Dead band
10V DC	OFF	ON	Raise

Stepped mode H selected

Input	Relay A	Relay B	Function
0V DC	OFF	OFF	Off
5V DC	ON	OFF	Stage 1 on
10V DC	ON	ON	Stage 1&2 on

The table shows the set voltages to be applied to the input to ensure reliable switching.

See also the MOD 2 RM Installation Sheet for wiring detail.

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Watchtower Trading reserves the right to update this product, revise and update this publication including information hereof without obligation to notify any person of such updates, revisions or changes.

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