C-mac

Digital limit switch RM15

Digital limit switch for current or voltage signals

Setpoint adjustment by built-in digital switches:
   RM15.2: 2-digit, resolution 1%
   RM15.3: 3-digit, resolution 0.5%
Selectable activation or release of relay

1-pole relay output

DC supply or AC supplies up to 230 VAC

Made in accordance with the $\mathsf{C}\mathsf{E}$ and EMC regulations

C-mac® module type RM15 is used in connection with standard current- or voltage signals, where a relay output is wanted, if a preset limit is exceeded.

The module is available with either 2- or 3-digit digital setpoint adjustment.

By means of a push-button on the back of the module you select either activation or release of the relay, when the setpoint is exceeded.

Common technical data:

Supply voltage, AC:	24, 115 and 230 VAC +/- 10%
Supply frequency:	40-70 Hz
Variable supply:	12-50 VDC or 48-250 VDC
Isolation voltage:	Supply - internal - output: 3.75 kV
Supply, DC:	24 VDC +/- 10%
	Note: With this DC supply there is no galvanic isolation between the supply and internal electronics.
Power consumption:	2,5 VA
Operating temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing

Resolution, setpoint adjustment:
   2 digit, RM15.2:   1% (00 to 99)
   3 digit, RM15.3:   0.5% (000 to 200).

Accuracy, setpoint:	0.2%.
Hysteresis:	1% of metering range, factory set.

Indications:
   Green LED: Supply voltage connected
   Red LED: Relay active

Temp. coefficient: Typ. 0.03% /°C

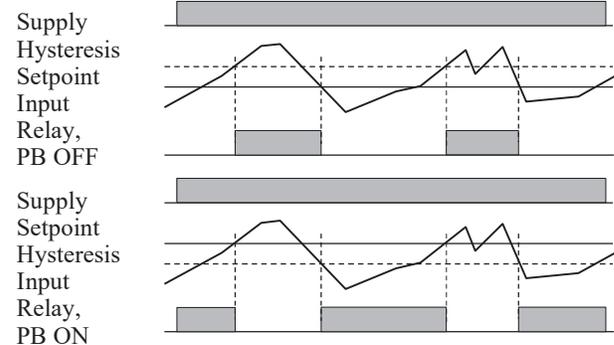| Metering range	Input resistance
0-20 mA	50 Ohms
4-20 mA	50 Ohms
0-10 V	100 kOhms

Selection of relay function:
Pushbutton on back of the module.

OFF: Relay is activated, when setpoint is exceeded.
ON: Relay releases, when setpont is exceeded.

Max. load, relay: 8 A - 250 VAC, ohmic load

EMC og safety regulations.

Emmision:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.

Functional diagram:

Connections:
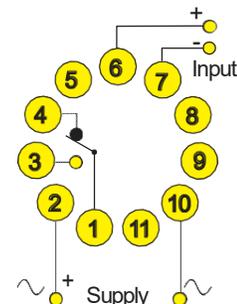
Ordering guide:

RM15.2-1-x-yyy-z   or   RM15.3-1-x-yyy-z

x-yyy = supply voltage: z = metering range

0-024:	24 VDC	1 = 0-20 mA
4-012:	12-50 VDC	2 = 4-20 mA
4-048:	48-250 VDC	3 = 0-10 V
1-024:	24 VAC	
1-115:	115 VAC	
1-230:	230 VAC	

Ordering example: RM15.3-1-1-230-2

Comadan
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