

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 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 setpoint is exceeded.

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

EMC og safety regulations.

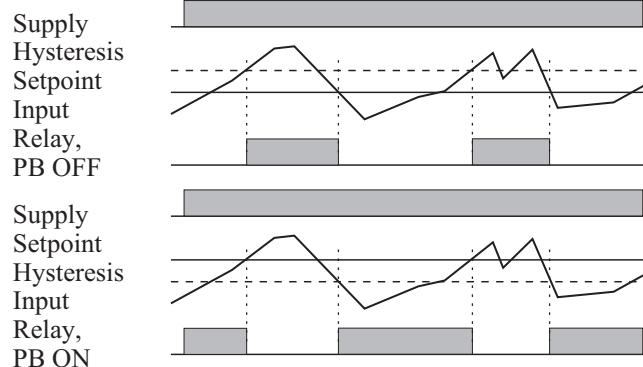
Emmision: EN 50 081 - 1

Immunity: EN 50 082 - 2

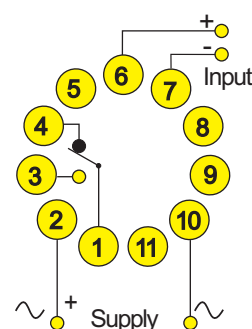
Safety: EN 60 730

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