RM 12-24

Indicator-/relay module

Technical data

Supply voltage	7-30V DC
Operating temperature range	–10 – +55°C
Dimensions (L x W x H) mm	180 x 110 x 43
Inputs	12 balanced inputs (2.2K)
Current consumption at 12 V/24 V	Min 17mA/11 mA, Max 232mA/121 mA
Internal pull-up resistor and pull-up voltage	2.2 kohm, 5 V
Configuration of input loop	EOL/NC-NO, EOL/NO, EOL/NC

RM 12-24 is an alarm/annunciator module for 10-30 VDC. It can be used to indicate, for example, door status, door locks, window status or personal attack alarms or monitoring of 12 loops.

It can also be used as a relay module that converts Open Collector (OC) outputs to relay outputs with an alternating function.

RM 12-24 consists of 12 independent, parallel channels with input pulled-up by internal resistor and output relay following the state of the input. Pulled-up inputs can be directly driven by detector loops w/o need of additional resistors and access to polarizing voltage. The output relay always follows the state of channel input – the relay is energized when the input loop of a channel is violated. The state of every channel is displayed in the front panel – a LED is lit when the input loop is violated. RM 12-24 is programmed to work with input loops configured as EOL/NC-NO with EOL resistor 2.2 kohm.

The unit also has a summary alarm function for all 12 inputs. The summary alarm is indicated via a separate LED and on a separate relay output (alternating NO/NC).

The unit has two jumper blocks with the option of choosing whether the LED and summary alarm are latched until reset or self-reset mode. There is also the option of choosing if the buzzer is active when the summary alarm relay is activated or whether the buzzer should remain disconnected.