MODULE M721

DESCRIPTION

Microprocessor module for addressable intelligent system with double input and one output.

M721 is compatible with all NOTIFIER intelligent panels.

The module allows monitoring of two different inputs for fire protection equipment with normally open contacts. The M721 is also provided with a single control relay for auxiliary device.

Three tricolour LEDs (green/red/yellow), provide diagnostic information that display the status of each individual input/output.

It's possible to configure the module to blink or not during in communication.

M721 use 3 consecutive addresses on loop, starting from the one configured by decimal rotary switches (01-159). All 700 series module has built-in short circuit isolator for the communication loop; however, to increase application flexibility, the isolators can be Enabled/Disabled on an individual module basis.

- Automatic device identification with NOTIFIER addressable intelligent system.
- Module addressing by two decimal rotary switches
- Module power provided directly from 2 wire loop of a NOTIFIER addressable intelligent system, no additional power feeding required.
- Built-in isolation module on loop communication.
- Wide view angle LEDs.
- Built-in LEDs blink each time there is communication with control panel; if necessary, from control panel is possible to program LED module to not blink.
- High immunity from electromagnetic noise.
- Easy wiring thanks to plug-in connectors.

APPLICATION

The inputs for this module utilized for controller the call points or clean system device N.O. the control circuit to connect like NFPA style B (Class B) with resistance of fine line 47 K Ohm.

The maximum length line for the circuit to input operative is 750mt, with maxim impedance of 20 Ohm

The output module to be utilized alone to configuration free contact.

BUILT-IN ISOLATION MODULE

All module 700 series are endowed with monitoring circuit against loop short circuit and insulator. If necessary, is possible to disable the isolator, connetting circuit directly to positive loop at terminal 5 instead of terminal 2.

OPERATION

Each M701 module use one of 159 address available on loop. It reply to periodic polling from the control panel giving report about module state and device connected. Module addressing can be programmed even after installation. The three LEDs show the state of each circuit. Every LED can be programmed to blink with green light each time the module is in communication with the panel.

The LEDs "A" and "B" are refered to input channels; the LED "C" is refered to output channel.

TECNICAL FEATURES

- Max. wire diameter: 2,5 mm^2.
- Operation voltage range: 15 ÷ 30 Vdc. (Communication Loop)
- Minimum voltage to guarantee LED power 17,5 Vdc (Communication Loop)
- Standby current:
  340 µA (LED = No blink)
  660 µA (LED = blink)
- Supervising current:
  0 µA OPEN,
  100 µA NORMAL,
  200 µA SHORT CIRCUIT.
- Relay contact: 2A @ 30 Vcc (resistive load),
- Inductive load: 1A @ 30Vcc (0,6 pF.)
- Operative temperature range: –20° C ÷ +60° C.
- Relative humidity: 5% ÷ 95% without condensate..
- Dimensions: 93mm (H) 94mm (W) 23mm (D) (Block connectors included)
- Weight (module only): 110 gr.
- Weight (module + M200E-SMB) 235 gr.

ACCESSORIES

- **M200E-SMB** Plastic Box.
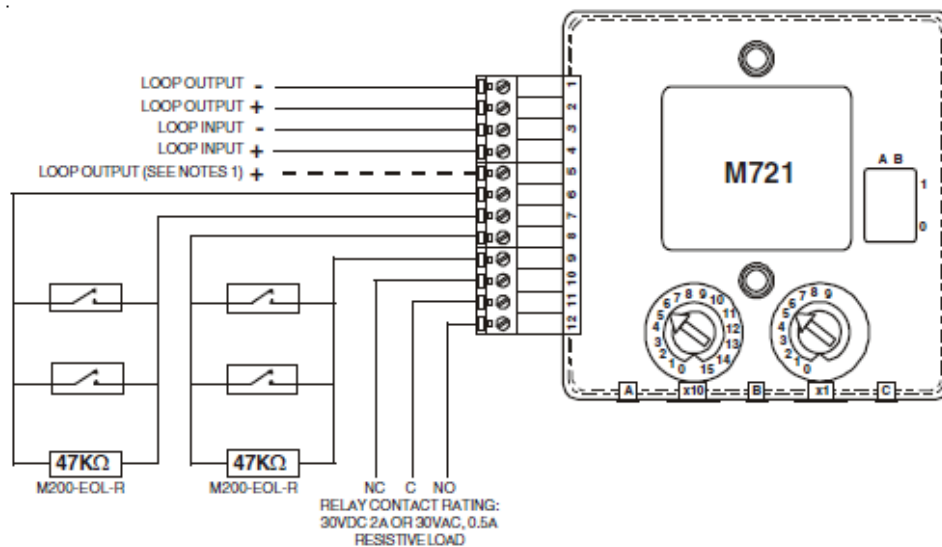 **Dimensions** 132 mm (H) 137 mm (W) 40 mm (D)

- **M200E-DIN** bracket for DIN Rail

- **M200E-PMB** bracket for mounting panel

CONNECTIONS

LOOP OUTPUT –
LOOP OUTPUT +
LOOP INPUT –
LOOP INPUT +
LOOP OUTPUT (SEE NOTES 1) +

M721

A B
1
0

47KΩ
M200-EOL-R

47KΩ
M200-EOL-R

NC C NO
RELAY CONTACT RATING:
30VDC 2A OR 30VAC, 0.5A
RESISTIVE LOAD

A x10 B x1 C

NOTIFIER®
by Honeywell