

Data Sheet

M200E-DIN DIN Rail Bracket

Tor

Push Module into adaptor Bracket until it clips into

Locate top clip over DIN rail and rotate bottom down

To Remove, lift up, then rotate top away from the rail.

Bottom



# Single Channel Output Module M201E

## **Description:**

The single channel output module M201E is a microprocessor controlled loop element permitting the control of auxiliary devices. The M201E can be wired for either supervised or non-supervised operation - see figures 3 and 4 respectively.

A single tri-color LED indicates the status of the module. When the control panel switches the relay to the energized state the LED can be set to continuous green. In the case of an open circuit or fault on the output circuit, the module will set the LED to blink yellow.

### **Technical Data**

Operating Voltage Range Maximum Standby Current No Communications Communication with LED enabled LED Current (Red) LED Current (Yellow) Operating Temperature Humidity Module Dimensions Surface Mount Box Dimensions Weight (Module Only) Weight (Module and M200E-SMB) Maximum Wire Gauge

15 to 30VDC (Min 17.5VDC to ensure LED operation)

310µA 510µA 2.2mA 8.8mA -20°C to 60°C 5% to 95% Relative Humidity 93mm(H) x 94mm(W) x 23mm(D) 132mm(H) x 137mm(W) x 40mm(D) 85 g 227 g 2.5mm<sup>2</sup>

FIGURE 1: MODULE MOUNTING METHODS

Cover

Base Box

place.

to clip into place

Module

M200E-SMB Surface Mount Box

Surface Mount Box Base is affixed to

mounting surface, and then the module

M200E-PMB Panel Mount Bracket

Adaptor bracket is mounted directly into panel using 2

Module is pushed into adaptor until it clips into place

and cover are screwed onto the base

using the two screws supplied.

x M4 Pan head screws

## **Installation**

Note: These modules must only be connected to control panels using compatible proprietary analogue addressable communication protocols for monitoring and control. M200 series modules can be mounted in several ways (See figure 1):

1. An M200E-SMB custom low profile surfacemounting box.

- An M200E-DIN Adaptor allows mounting onto standard 35mm x 7.5mm "Top Hat" DIN rail inside a control panel or other suitable enclosure.
- 3. An M200E-PMB Panel Mount Bracket allows the module to be mounted directly into a panel or other suitable enclosure.

Wiring to all series M200 modules is via plug in type terminals capable of supporting conductors up to 2.5mm<sup>2</sup>

# CAUTION: Disconnect loop power before installing modules or sensors

The module address is selected by means of rotary decade address switches (see figure 2). These can be accessed either from the front or the top of the module. A screwdriver should be used to rotate the wheels to select the desired address, either from the front, or the top of the module.



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### **Short Circuit Isolators**

All M200 series modules are provided with short circuit monitoring and isolators on the intelligent loop. If required the isolators may be wired out of the loop to facilitate the use of the modules on high current loaded loops, for example if sounders are used. To achieve this, the loop out positive should be wired to terminal 5 rather than terminal 2. See the relevant wiring diagram for details.

### M201E Wiring

The M201E can be wired for either supervised or non-supervised operation - see figures 3 and 4 respectively. If using the VdS optional polarized resistor EOL device, part no. M200E-EOL-RD, note that the EOL device red wire connects to terminal 8 and the grey wire to terminal 9, as monitoring voltages are reversed.

When the module is used in supervised mode and power is supplied to the module, a switched negative input on terminal 12 can be used to signal an external fault condition, such as a power supply fault. Loss of power is also supervised in this mode such that if the supply voltage falls below 7V a fault indication is achievable.

Part No.:	
M201E	K02469040
DIN Rail Clip M200E-DIN	K02469043
Surface Box M200E-SMB KO	K02469045

Relay Contact

Rating:

30VDC, 2A or

30VAC, 0.5A

resistive load

Notes:

1

С

NO



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100 100

If short circuit isolation is not required, loop output+ should be wired to terminal 5 and not 2.

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Terminal 5 is internally connected to terminal 4.