

## 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

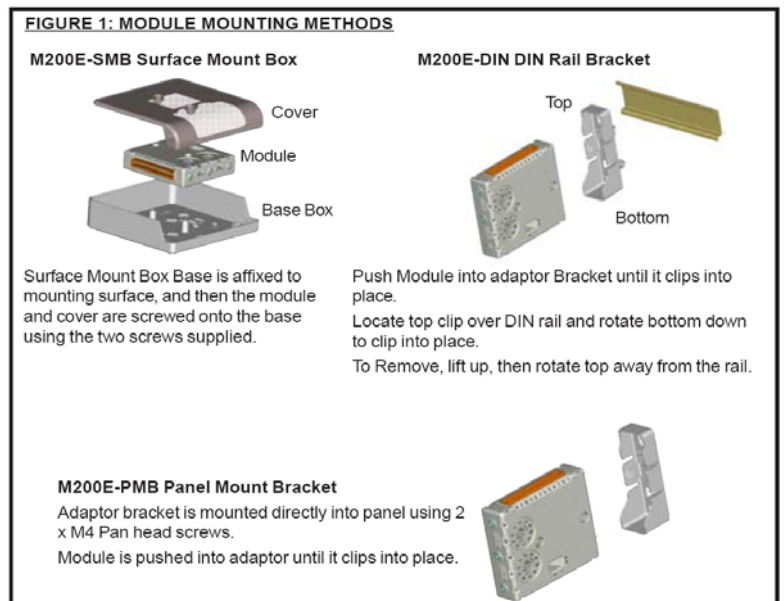
Operating Voltage Range	15 to 30VDC (Min 17.5VDC to ensure LED operation)
Maximum Standby Current	
No Communications	310µA
Communication with LED enabled	510µA
LED Current (Red)	2.2mA
LED Current (Yellow)	8.8mA
Operating Temperature	-20°C to 60°C
Humidity	5% to 95% Relative Humidity
Module Dimensions	93mm(H) x 94mm(W) x 23mm(D)
Surface Mount Box Dimensions	132mm(H) x 137mm(W) x 40mm(D)
Weight (Module Only)	85 g
Weight (Module and M200E-SMB)	227 g
Maximum Wire Gauge	2.5mm <sup>2</sup>

### 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 surface-mounting box.
2. 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.:

<b>M201E</b>	<b>K02469040</b>
<b>DIN Rail Clip M200E-DIN</b>	<b>K02469043</b>
<b>Surface Box M200E-SMB KO</b>	<b>K02469045</b>

