

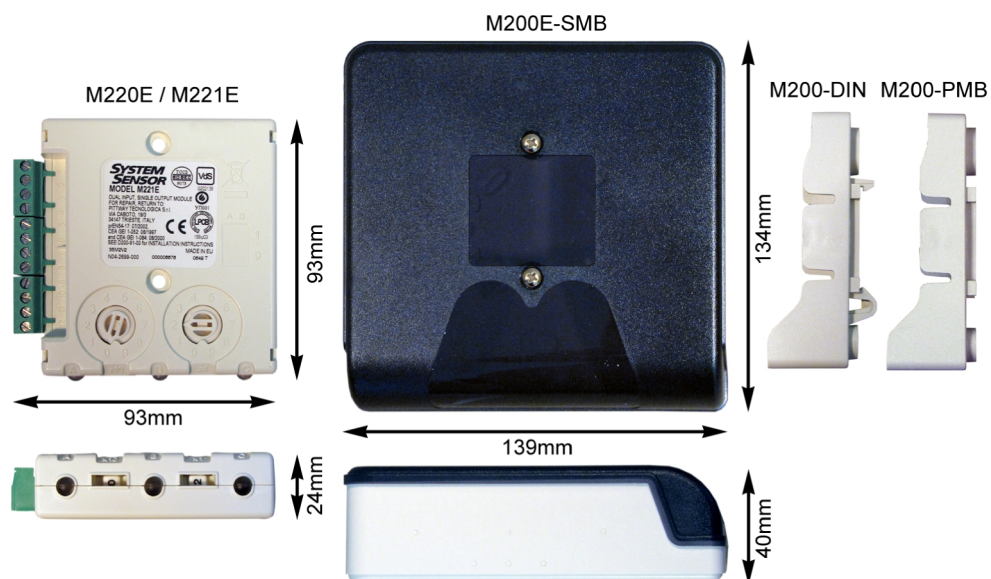
Product Overview:

The System Sensor **Analogue Addressable Dual Input Single Output Module M221E** supervises two input circuits from external devices and also provides an unmonitored single pole volt-free changeover contact for external devices. Input channels are capable of both latched and analogue supervision: there are three separate latched states; Normal, Open-Circuit and Combined Alarm/Short. The analogue supervision continuously monitors the supervised circuit, returning a signal proportional to the circuit resistance.

The module may be mounted in either a wall box, on a DIN rail, or within any type of enclosure. Irrespective of the chosen mounting method, the address switch is both visible and accessible for selection.

The M221E has a built-in loop isolator to provide short circuit protection for the communications loop. To increase application flexibility, the isolator can be selected or deselected on an individual module basis.

To help technicians in the maintenance and fault-finding process, both the LEDs and the switches can be viewed without having to remove the cover of the surface mounting box. The LEDs, being multi-colour, provide diagnostic information regarding the status of each individual input and output.



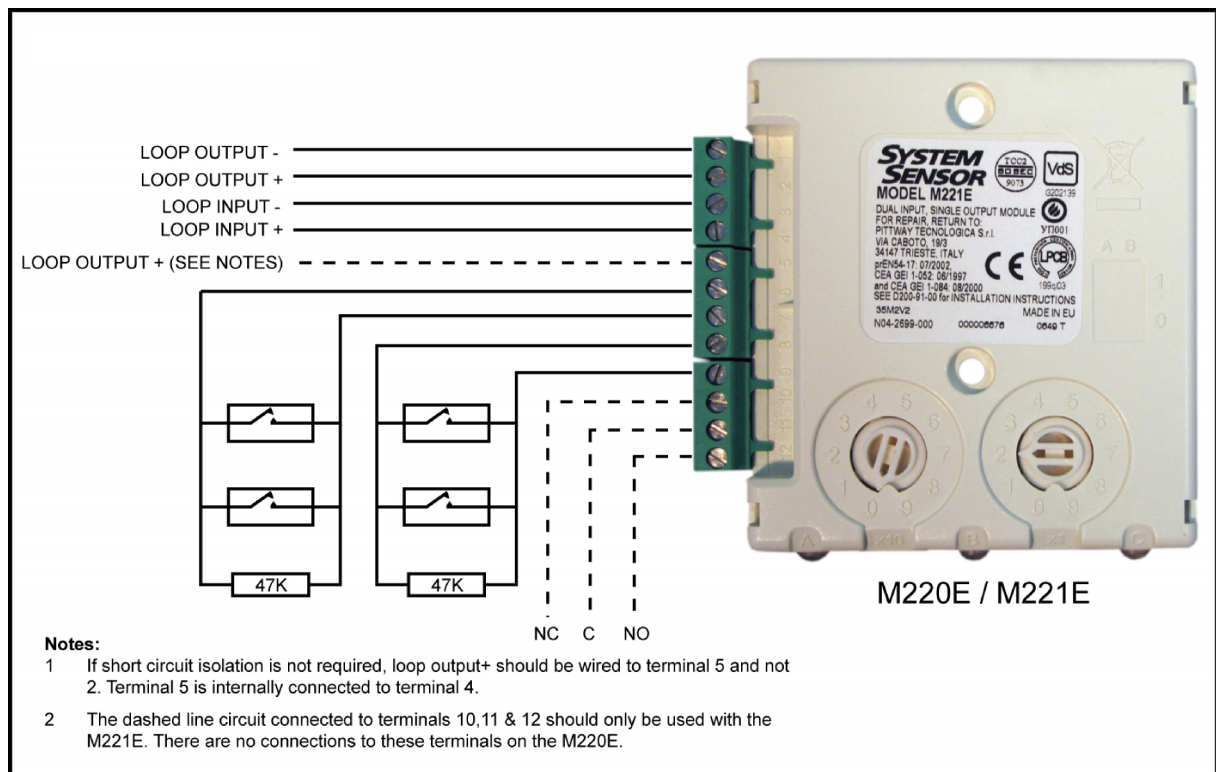
Features:

- » Two inputs
- » One clean (unmonitored) changeover output
- » Common mechanical platform for box, panel and DIN Rail mount versions
- » Tri-colour LEDs with wide viewing angle
- » Built-in short-circuit isolator
- » Module base address programmed with rotary address switches: Visible and selectable in two planes
- » Uses three loop addresses per module

Specifications:

» Addressing	Module Base Address	Input 1
	Module Base Address +1	Input 2
	Module Base Address +2	Output
» Module Dimensions	94 x 93 x 93	W x H x D mm
» Surface Mount Box Dimensions	137 x 132 x 40	W x H x D mm
» Weight	110 g (Module Only)	
	252 g (Module and M200E-SMB)	
» Maximum Wire Gauge	2.5 mm ²	
» Operating Voltage Range	15 VDC to 30 VDC	
» Typical Standby Current	600 µA	Communication with LED Blinking
» Typical LED Current (Red)	2 mA	
» Typical LED Current (Yellow)	7.8 mA	
» Typical LED Current (Green)	5.8 mA	
» Operating Temperature	-20 °C to 60 °C	
» Relative Humidity	5 % to 95 % RH, non-condensing	

Connection Diagram:



Ordering Information:

Product Code	Description
M221E	Addressable Module Dual Input, Single Output – Euro (Uses M200E-SMB Box)
M200E-SMB	Surface Mounting Box for 200 Series Addressable Modules - Euro
M200E-DIN	DIN Rail Mounting Brackets