

Addressable Modules

M220E / M221E Multi-Input / Output Modules

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The System Sensor family of multi channel input / output modules are designed to meet a wide range of applications.

Their unique mechanical design allows each module to be mounted in either a wall box, on a DIN rail or within any type of enclosure. Irrespective of the mounting methods chosen, the address switch is both visible and accessible for selection.

Each module has built-in short circuit protection for the communications loop; however, to increase application flexibility, the isolators can be selected/deselected on an individual module basis.

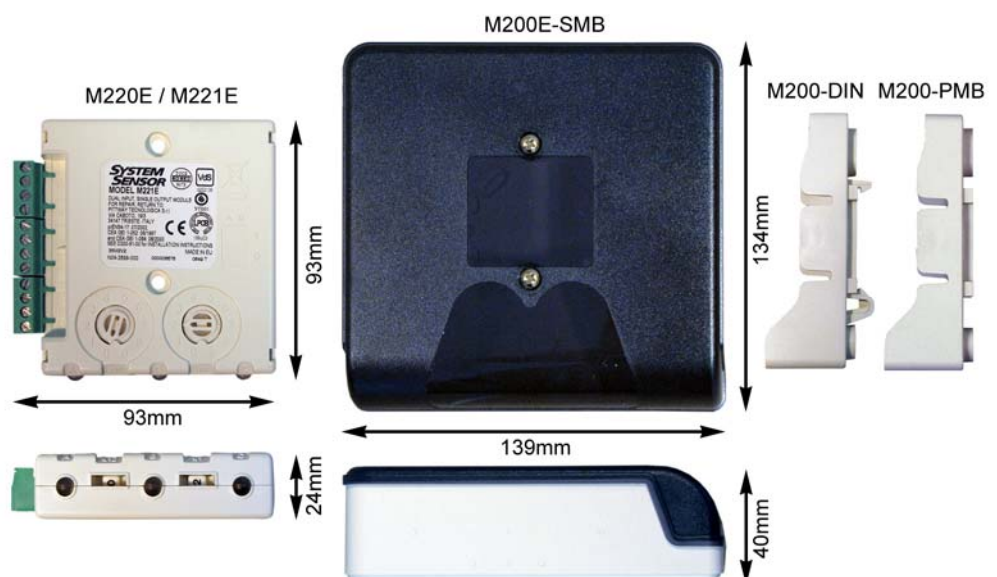
To help technicians in the maintenance and fault-finding process, both the LEDs and the switches can be viewed without having to remove the cover of the surface mounting box. The LEDs, being multi-colour, provide diagnostic information regarding the status of each individual input / output.

Features:

- M220E Dual Input Module
- M221E Dual Input – Single Output Module
- Common mechanical platform for box, panel and Din rail mount versions
- Tri-colour LEDs
- Built-in short circuit isolators
- Decade address switches visible and selectable in two planes
- Wide angle LED visibility

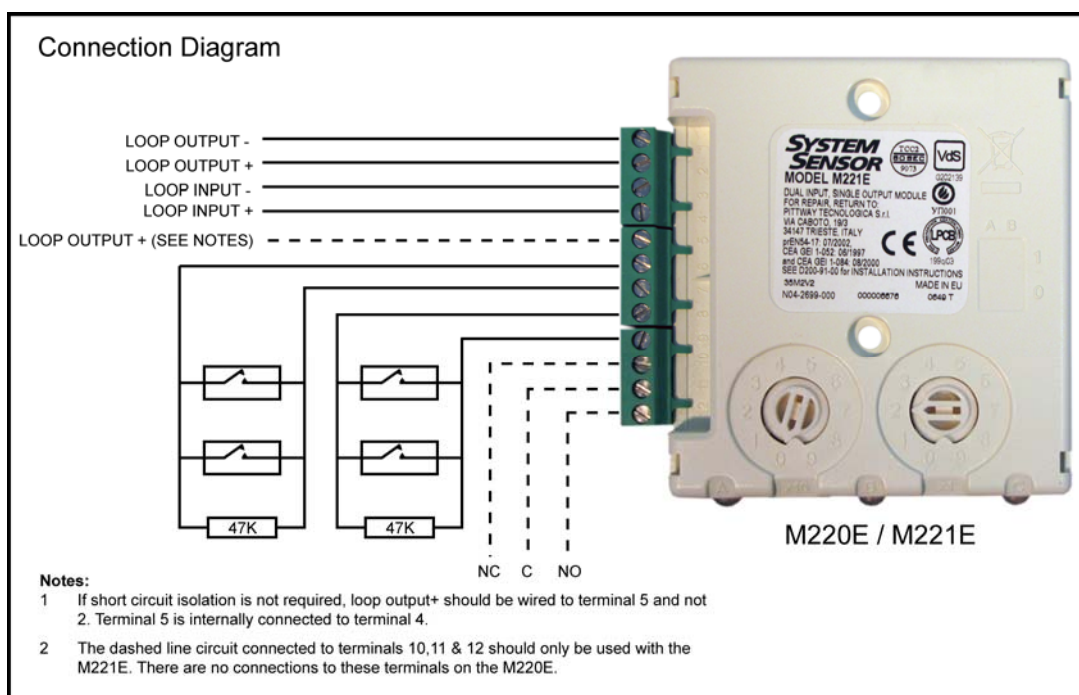
M220E Dual Input Module, M221E Dual Input – Single Output

The M220E and M221E provide supervision of two input circuits from external devices; the M221E also provides an unmonitored single pole volt-free changeover contact for external devices. Both modules feature a built-in short circuit isolator. 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.



Specifications

Operating Voltage Range	15 to 30VDC	
Typical Standby Current	M220E	M221E
Communication with LED blinking	485uA	600uA
Typical LED Current (Red)	2mA	
Typical LED Current (Yellow)	7.8mA	
Typical LED Current (Green)	5.8mA	
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)	110 g	
Weight (Module and M200E - SMB)	252 g	
Maximum Wire Gauge	2.5mm ²	



Ordering Information:

Description

Module – Dual Input Module
 Module – Dual Input – Single Output Module
 Surface Mounting Box
 DIN Rail Mounting Clip
 Panel Mounting Clip

Part Number

M220E
 M221E
 M200E - SMB
 M200 - DIN
 M200 - PMB

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