



MST-GN Contact Wiring Guide

Product designed to meet the requirements of EN 50131-2-6:2008 **Grade 2** and Environmental **Class II**. Suitable for use in systems designed to comply with PD6662:2017

Features

- Surface mounting terminal contact
- Built-in EOL resistors
- High reliability cover tamper
- Configurable for Fully Supervised Loop (FSL) and Double Pole wiring
- Single and Multiple door operation
- Screw covers to reduce tampering and improve aesthetics

EOL Resistor Selection

Use the following table to select the correct Shunt and EOL resistors and corresponding link settings.

Resistors		Links		Control Panel
Shunt	EOL	Shunt	EOL	
1K0	1K0	L8	L4	Honeywell

* Default = Links fitted

Table 1: EOL Resistor and Link Selection

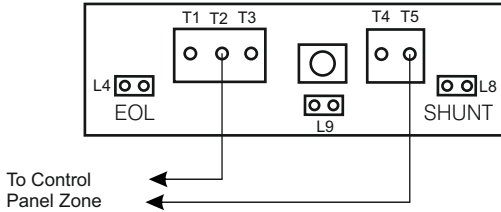
Installation:

- Step 1: Choose configuration for FSL or double pole and number of doors. See Figs 1 - 4
 Step 2: Choose and fit FSL resistors links according to Table 1 and Figs 1 - 4

- Figure 1: Fully supervised loop, single leaf door configuration.
 Figure 2: Fully supervised loop, double leaf door configuration.
 Figure 3: Standard double pole wiring, single leaf door configuration.
 Figure 4: Standard double pole wiring, double leaf door configuration.

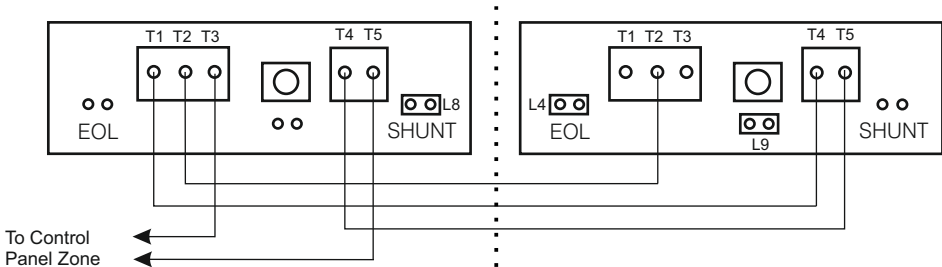
FSL/EOL

Figure 1 - **Single** Leaf Door Arrangement
Shunt Resistor + End Of Line Resistor



Fit jumpers L4, L8 & L9

Figure 2 - **Double** Leaf Door Arrangement
Shunt Resistors + End Of Line Resistor



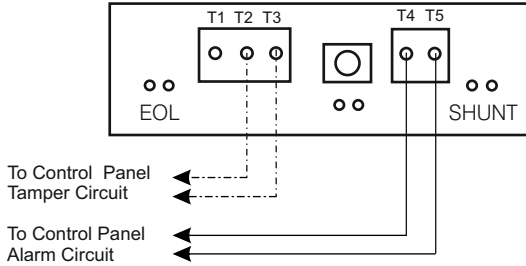
Sensor 1
Fit L8 **SHUNT** Jumper **Only**
Remove L9

Sensor 2
Fit L4 **EOL** Jumper **Only**
Fit L9

Double Pole

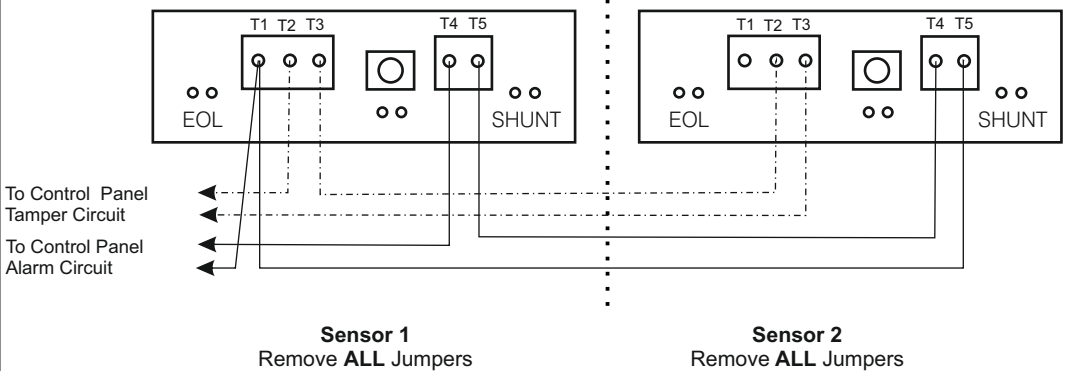
(No Resistors)

Figure 3 - **Single** Leaf Door Arrangement



Remove **ALL** Jumpers

Figure 4 - **Double** Leaf Door Arrangement



Specifications

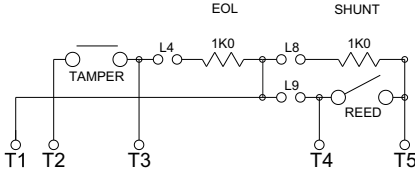
Contact

Material	Rhodium
Power Handling	10VA
Voltage Rating	100Vdc, 150Vac Max
Current Rating - switch	1.0A Max
Current Rating - carry	1.5A Max
Resistance	<300mohms
Operating Life	>1 x 10 ⁸ operations

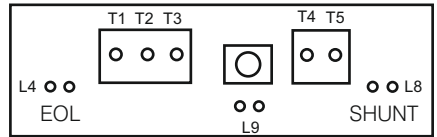
Housing

Material	Plastic - ABS
Sensor Dimension	82 x 19 x 19mm
Sensor - Fixing Dimensions	69 mm centres
Mounting Screws	M3
IP Rating	IP40
Temperature Range	-10°C to+40°C

Circuit Diagram

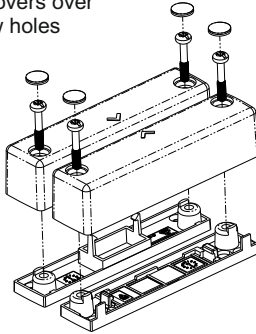


Terminals & Jumpers

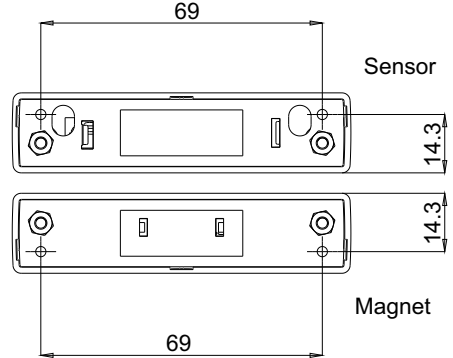


Lid Attachment

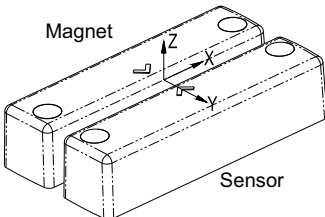
Fit screw covers over fixing screw holes



Fixing Positions



Operating Distances:



		Switch mounted on Non-Magnetic Surface. (e.g. Wood, PVC, Aluminium)	* Switch mounted on Magnetic Surface. (e.g. Iron, Steel)
Y	Min Close (mm)	32	18
	Max Open (mm)	43	23
+/-X	Min Close (mm)	10	8
	Max Open (mm)	14	11
Z	Min Close (mm)	34	12
	Max Open (mm)	44	16

*For guidance purposes only