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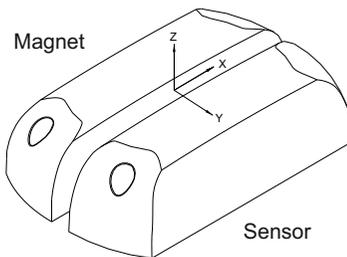
# LST\* Parallel Contact Wiring Guide

Product designed to meet the requirements of EN50131-2-6:2008 **Grade 2** and Environmental **Class II**. Suitable for use in systems designed to comply with PD6662:2017

\* See product label for built in EOL resistors

## Features

- Large surface terminal contact
- Configurable for Fully Supervised Loop (FSL) & Double Pole wiring
- Single & multiple door operation
- High reliability cover tamper



## Operating Distances

		Switch mounted on Non-Ferrous Surface (e.g. Wood, PVC, Aluminum)	+Switch mounted on Ferrous Surface (e.g. Iron, Steel)
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Y	Min Close (mm)	35	25
	Max Open (mm)	54	36
+/- X	Min Close (mm)	13	11 <sup>#</sup>
	Max Open (mm)	19	18 <sup>#</sup>
Z	Min Close (mm)	34	37 <sup>#</sup>
	Max Open (mm)	67	53 <sup>#</sup>

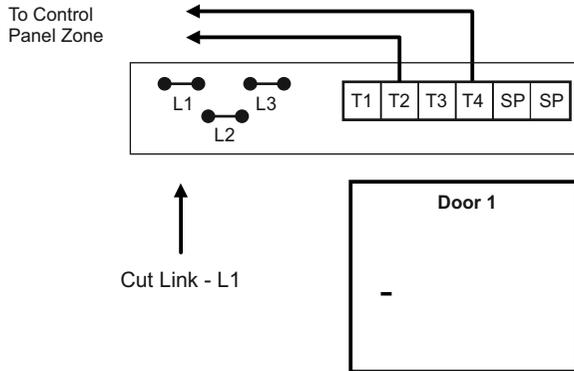
<sup>#</sup> For guidance purposes only, <sup>#</sup> At Y = 6mm

Unit can be wired in the following formats:

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

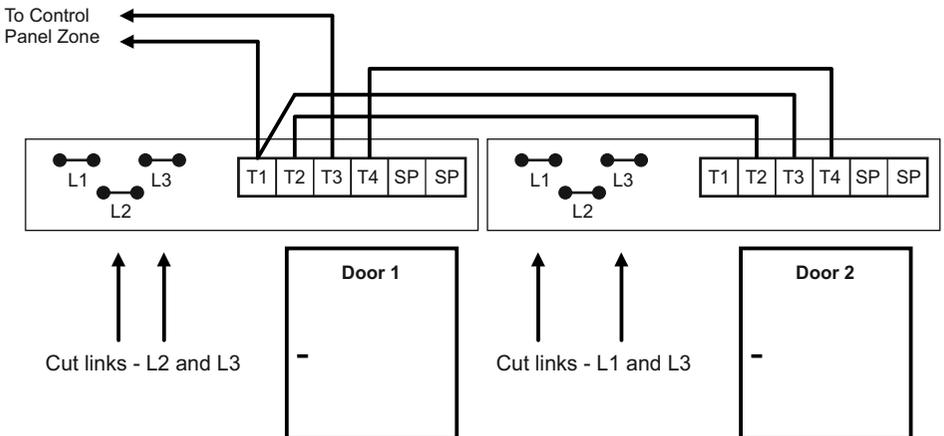
# FSL/EOL

Figure 1 - **Single** Leaf Door Arrangement  
Contact Resistor + End of Line Resistor (Parallel)



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Figure 2 - **Double** Leaf Door Arrangement  
Contact Resistor + End of Line Resistor (Parallel)\_



# Double Pole

Figure 3 - **Single** Leaf Door Arrangement

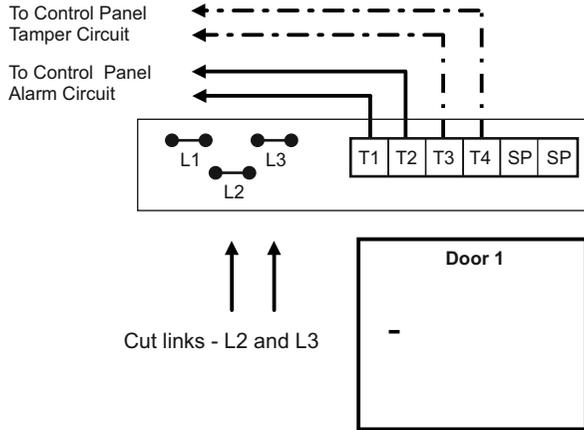
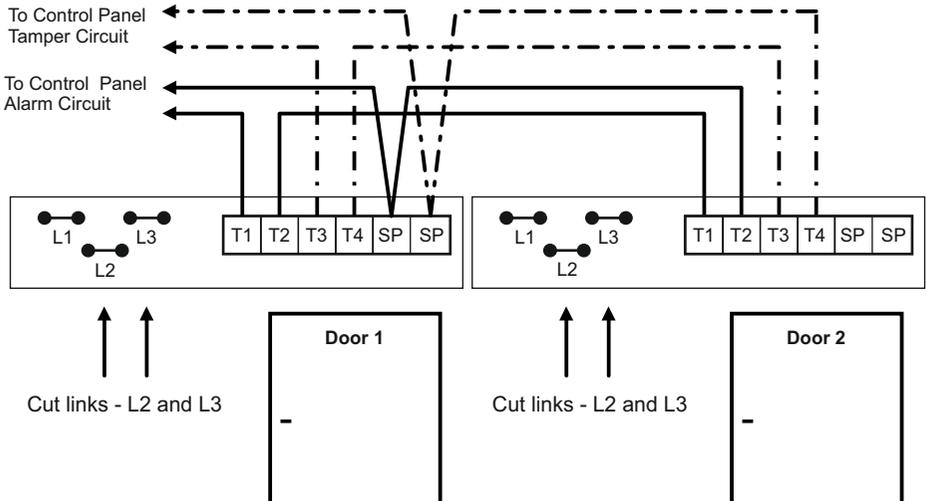


Figure 4 - **Double** Leaf Door Arrangement



# Specifications

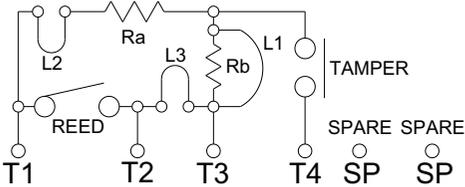
## Contact

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 <sup>8</sup> operations

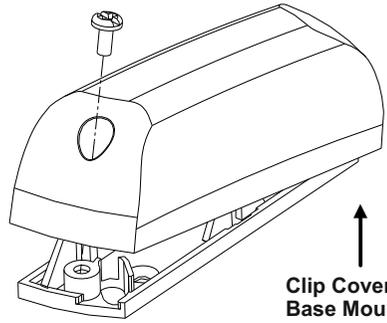
## Housing

Material	Plastic - ABS
Sensor Dimension	93 x 25 x 25mm
Sensor - Fixing Dimensions	52 mm centres
Mounting Screws	M3
Magnet Dimensions	93 x 25 x 25mm
Magnet - Fixing Dimensions	45 mm centres
Mounting Screws	M3
IP Rating	IP40
Temperature Range	-10°C to +40°C

## Circuit Diagram

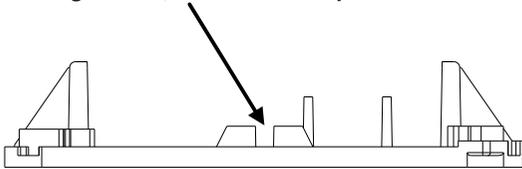


## Lid Attachment



## Cable Grip

Cable grip designed for 4 or 6 core cable.  
For larger cable, trim walls as required.



## Fixing Positions

