

ELMDENE

Security & Fire
Products

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VHDA-XX Series Contact Wiring Guide

(where -XX indicates EOL resistor colour code)

Product designed to meet the requirements of DD CLC/TS 50131-2-6:2004 Grade 2 and Environmental Class II. Suitable for use in systems designed to comply with PD6662:2004 + A1+ A2

Features

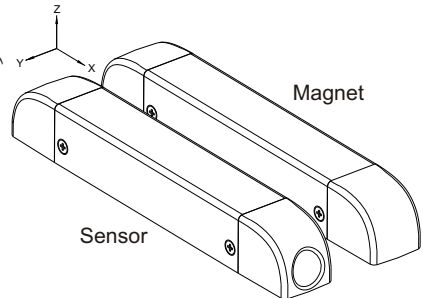
- Large surface heavy duty terminal contact
- Configurable for Fully Supervised Loop (FSL) & Double Pole wiring
- Single & multiple door operation

Operating Distances

Y	Min Close (mm)	42	30
	Max Open (mm)	70	38
+/- X	Min Close (mm)	23	21 [#]
	Max Open (mm)	29	26 [#]
Z	Min Close (mm)	63	47 [#]
	Max Open (mm)	78	56 [#]

Switch mounted on
Non-Ferrous Surface
(e.g. Wood, PVC, Aluminium)

*Switch mounted on
Ferrous Surface
(e.g. Iron, Steel)



* For guidance purposes only, [#]At Y = 6mm

The following table details the contact colour coding system used to associate a Contact with the correct value resistors for your chosen control panel. The colour code is a suffix to the Contact product code. For example VHDA-RD denotes a red contact with 4k7 and 2k2 resistors fitted.

Code	Colour	Resistor Values	Connection Mode	Control Panel
RD	Red	4k7 / 2k2	Series	ADE, Bosch, Castle, Menvier, Pyronix, Scantronic, Texecom
GN	Green	1k0 / 1k0	Series	Honeywell
BL	Blue	8k2 / 8k2	Parallel	Guardall
GY	Grey	4k7 / 4k7	Series	Aritech, Pyronix
PU	Purple	6k8 / 4k7	Series	Guardtec
YL	Yellow	2k2 / 2k2	Series	Bosch, Europlex
OR	Orange	5k6 / 5k6	Series	DSC

Refer to figures 1-4 overleaf for wiring configuration.

Format	Single Door	Double Door
FSL - Series	Fig 1	Fig 2
Double Pole	Fig 3	Fig 4

FSL/EOL

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

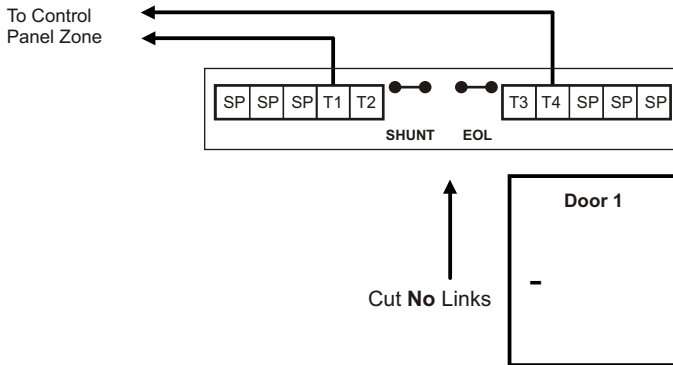
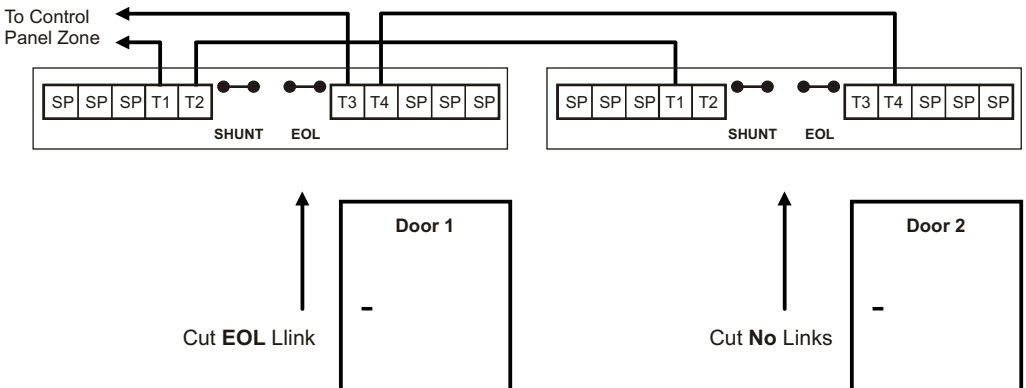


Figure 2 - **Double** Leaf Door Arrangement
Shunt Resistors + End Of Line Resistor (Series)



Double Pole

Figure 3 **Single** Leaf Door Arrangement

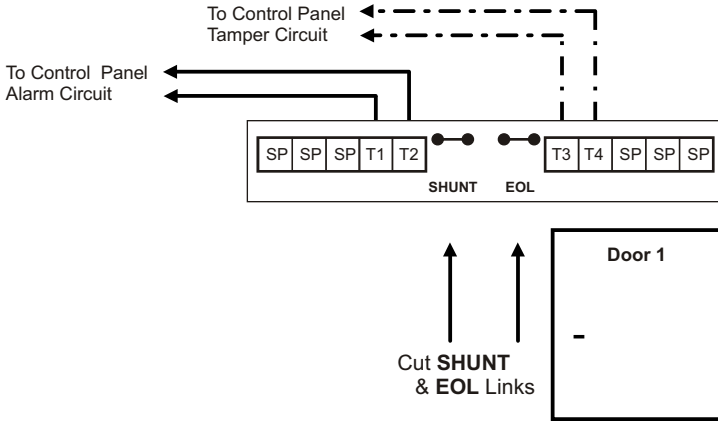
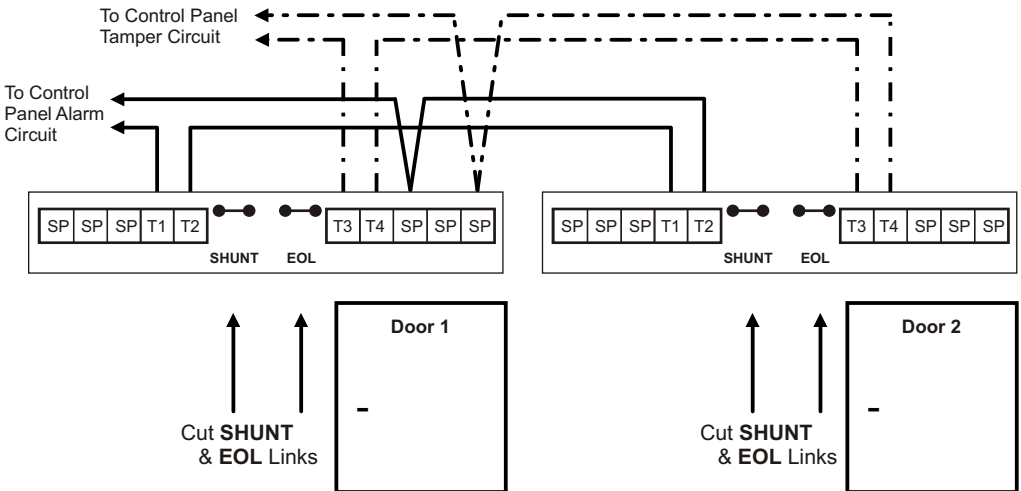


Figure 4 - **Double** Leaf Door Arrangement



Specifications

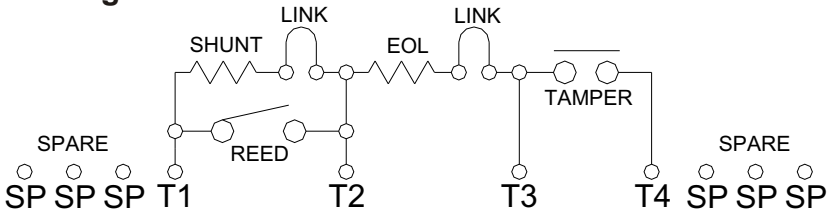
Contact

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 10⁸ operations

Housing

Material Plastic - ABS
 Aluminum
 Body Dimension 170 x 25 x 25mm
 Sensor - Fixing Dimensions 65 mm centres
 Mounting Screws M4
 IP Rating IP40
 Temperature Range -10°C to +40°C

Circuit Diagram



Unit Dimensions

