

Figure 5
Fully Supervised Loop (Parallel) - Single Leaf Door
Magnetic Interference Detection signaled as a Tamper or a mask (see note 1)

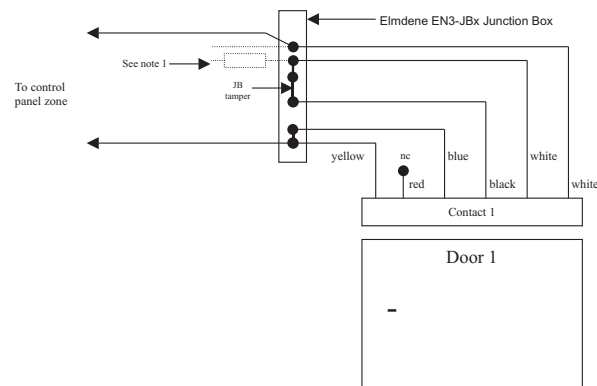
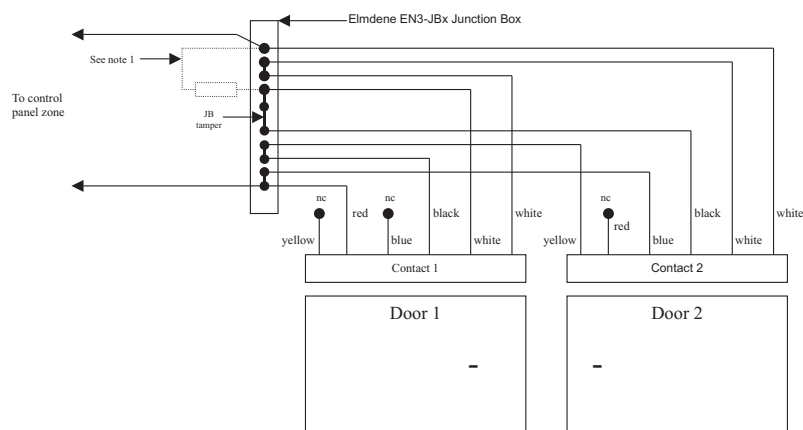


Figure 6
Fully Supervised Loop (Parallel) - Double Leaf Door
Magnetic Interference Detection signaled as a Tamper or a mask (see note 1)



Specification

Contact

Material	Rhodium
Power Handling	10VA
Voltage Rating	30Vdc
Current Rating	1.0A Max
Resistance	<300mohms
Operating Life	>1 x 10 ⁸ operations

Housing

Material	Cast Aluminium
Sensor Dimension	150 x 40 x 14mm
Sensor - Fixing Dimensions	98 mm centres
Magnet Dimensions	61 x 72.5 x 40mm
Magnet - Fixing Dimensions	38 mm centres
Mounting Screws	M6
IP Rating	IP67
Temperature Range	-10°C to +40°C



ELMDENE INTERNATIONAL LIMITED
3 KEEL CLOSE
INTERCHANGE PARK
PORTSMOUTH
HAMPSHIRE
PO3 5QD, UK

Patent Pending



TEL: +44 (0) 23 9269 6638
FAX: +44 (0) 23 9266 0483

www.elmdene.co.uk

EN3-RSA Contact Wiring Guide

Product designed to meet the requirements of DD CLC/TS 50131-2-6:2004 **Grade 3** and Environmental **Class III**. Suitable for use in systems designed to comply with PD6662:2004 + A1+ A2

6 Wire Contact with built in resistors for use with Fully Supervised Loop systems or standard Double Pole, Single or Multiple door applications. Attempts to interfere with the normal operation using an external magnetic field will generate an interference detection signal. This may be connected as a tamper or a separate FSL shunt signal (e.g. Mask). See figures overleaf for connection details for your specific application. See colour chart below for matching resistors to your control panel.

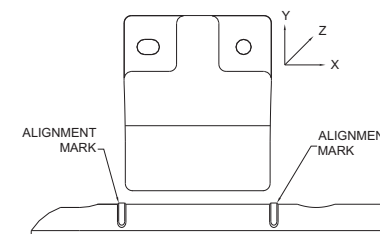
Contact / Control Panel Colour Codes Spectrum Range

This 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 EN3-RSA-RD denotes a Red Contact with 4K7 and 2K2 resistors fitted. This table does NOT refer to WIRE colours; see Contact Wiring below for details of wire colours.

Code	Colour	Resistor Values	Connection Mode	Control Panel
RD	Red	4k7 / 2k2	Series	ADE, Bosch, Castle, Menvier, Pyronix, Scantronic, Texecom
GN	Green	1k / 1k	Series	Honeywell
BL	Blue	8k2 / 8k2	Parallel	Guardall
GY	Grey	4k7 / 4k7	Series	Artech, Pyronix
PU	Purple	6k8 / 4k7	Series	Guardtec
YL	Yellow	2k2 / 2k2	Series	Bosch, Europlex
OR	Orange	5K6 / 5K6	Series	DSC

Operating Distances (mm)			Non-Ferrous Surface
Y	Min Close	18	
	Max Open	30	
+/- X	Min Close	16"	
	Max Open	25"	
Z	Min Close	24"	
	Max Open	42"	

* At Y = 6mm



Contact can be used in the following formats:

- Standard double pole - Single and double leaf doors - Figures 1 & 2
- Fully supervised loop - Single leaf door - Series mode connection - Figure 3
- Fully supervised loop - Double leaf doors - Series mode connection - Figure 4
- Fully supervised loop - Double leaf doors - Series mode connection - Figure 5
- Fully supervised loop - Double leaf doors - Series mode connection - Figure 6

Figure 1
Standard Double Pole - Single Leaf Door
Magnetic Interference Detection signaled as a Tamper.

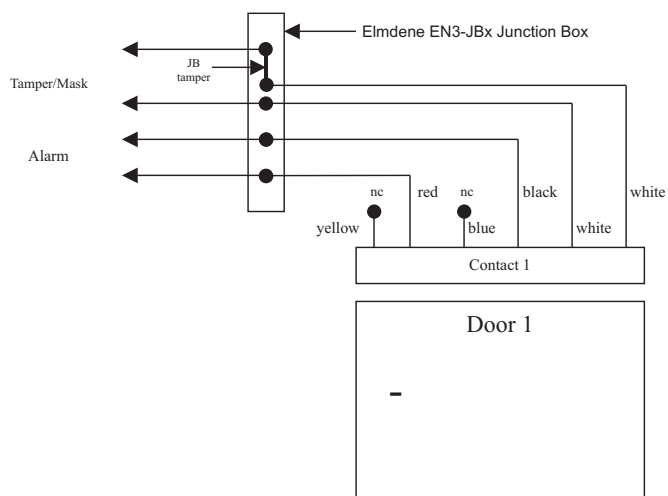


Figure 3
Fully Supervised Loop (Series) - Single Leaf Doors
Magnetic Interference Detection signaled as a Tamper or Mask see note 1

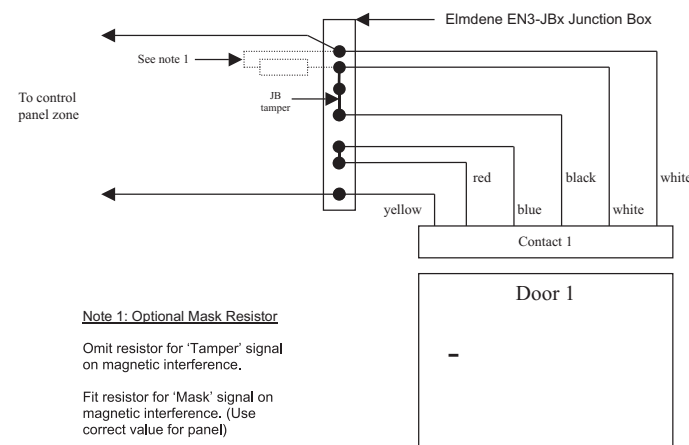


Figure 2
Standard Double Pole - Double Leaf Door
Magnetic Interference Detection signaled as a Tamper.

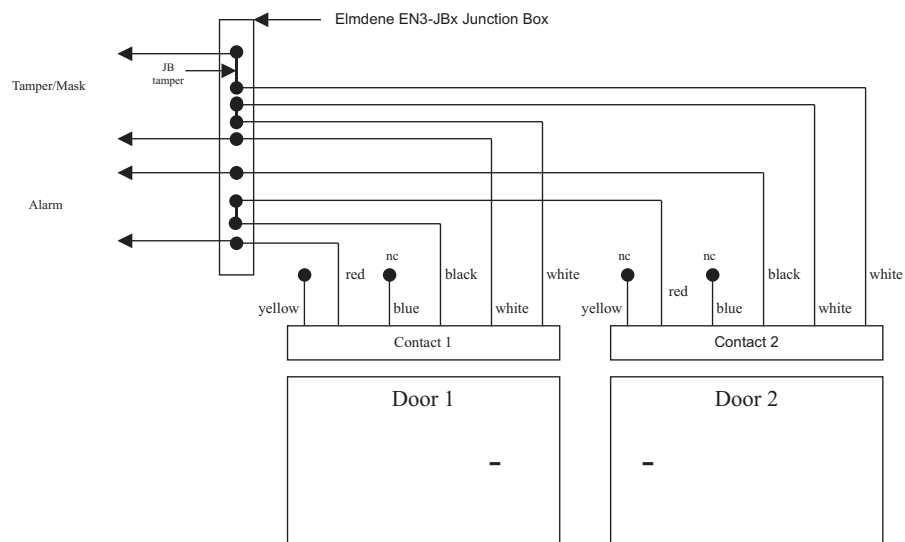


Figure 4
Fully Supervised Loop (Series) - Double Leaf Doors
Magnetic Interference Detection signaled as a Tamper or Mask see note 1

