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RSA Contact Wiring Guide

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

6 Wire Contact with built in resistors for use with Fully Supervised Loop systems or standard Double Pole, Single or Multiple door applications. See colour code chart below for matching Contact resistors to your Control Panel.

Contact / Control Panel Colour Codes Spectrum Range

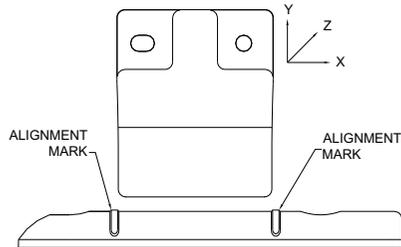
This table details the Contact colour coding system used to associate a Contact with the correct value resistors for your chosen Control Panel. The colour code is a suffix to the Contact product code. For example 6RSA-RD denotes a Red Contact with 4K7 and 2K2 resistors fitted. This table does NOT refer 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	Aritech, 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	*Ferrous Surface
Y	Min Close	54	35
	Max Open	73	47
+/- X	Min Close	19	15 [#]
	Max Open	33	30 [#]
Z	Min Close	65	38 [#]
	Max Open	85	51 [#]

* For guidance purposes only, [#] 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 - Single leaf door - Parallel mode connection - Figure 5
- Fully supervised loop - Double leaf doors - Parallel mode connection - Figure 6

FSL/EOL - Series

Figure 3 - **Single** Leaf Door Arrangement
Shunt Resistor + End Of Line Resistor (Series)

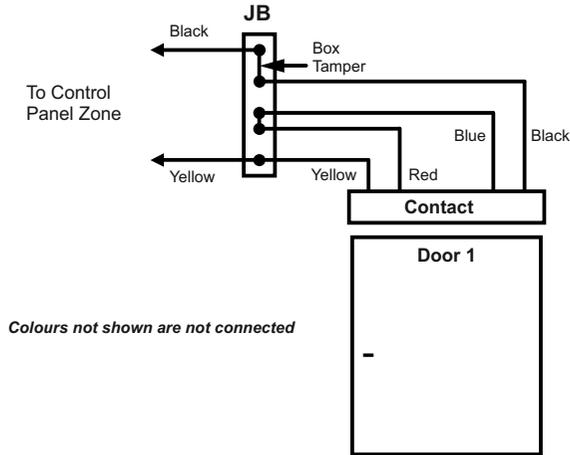
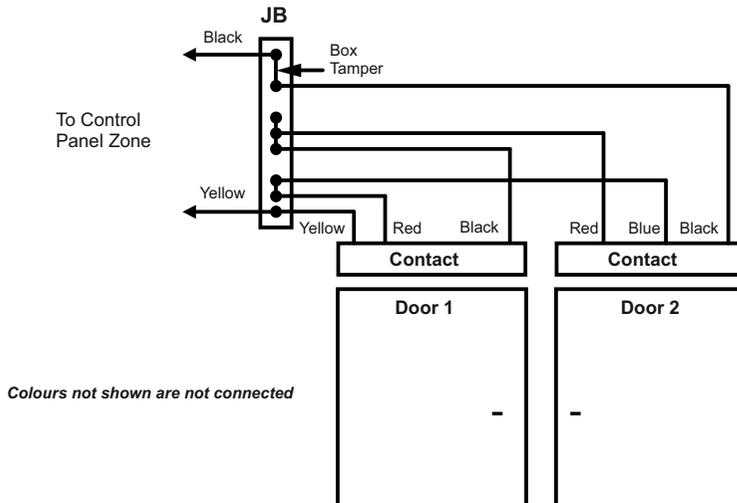


Figure 4 - **Double** Leaf Door Arrangement
Shunt Resistors + End Of Line Resistor (Series) _



FSL/EOL - Parallel

Figure 5 - **Single** Leaf Door Arrangement
Shunt Resistors + End Of Line Resistor (Parallel)

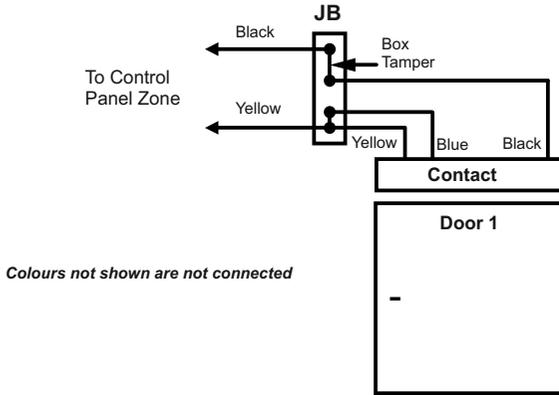
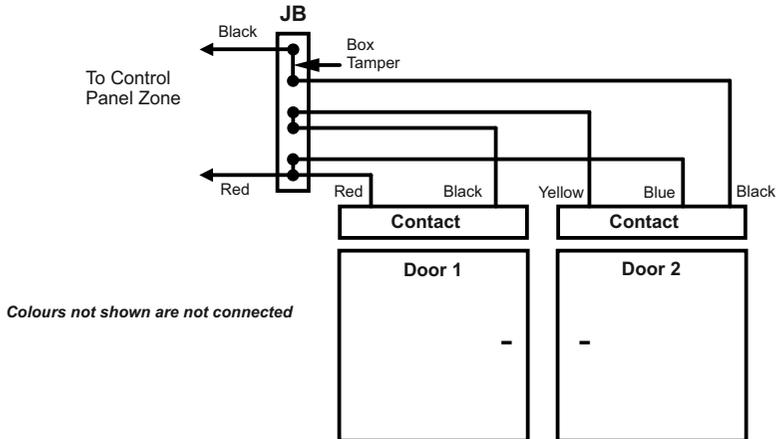


Figure 6 - **Double** Leaf Door Arrangement
Shunt Resistors + End Of Line Resistor (Parallel)



Specification

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	Cast Aluminium
Sensor Dimension	140 x 40 x 14mm
Sensor - Fixing Dimensions	98 mm centres
Magnet Dimensions	81 x 72.5 x 40mm
Magnet - Fixing Dimensions	38 mm centres
Mounting Screws	M6
IP Rating	IP67
Temperature Range	-10°C to+40°C