

ELMDENE

Protecting People & Property

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VS222 & VS6 Roller Shutter - EOL Resistor Variants

FEATURES

The VS222 & VS6 EOL Resistor Variants are High Security aluminium heavy duty Roller Shutter Contacts for use in commercial/industrial installations, featuring a fully encapsulated aluminium body, potted stainless steel protected cable tail and long life rhodium contacts.

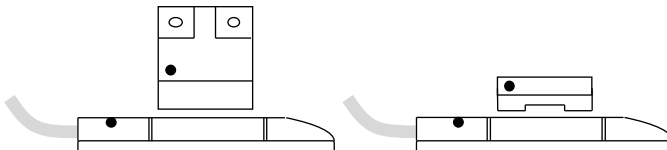
END OF LINE RESISTOR - COLOUR CODE

Each Contact has one pair of End of Line resistors, the values of which are identified by the colour of a sticker on the Contact body and the colour of the label on the bag in which the Contact was supplied. The product code on the product sticker and bag label ends with two letters which also indicates the colour code of the Contact and therefore the value of the two internal resistors; see table below:

Colour of Contact Sticker & Bag Label	Last Two Letters of Product Code	Value of Internal Resistors	Suitable Control Panels
Red	RD	4k7/2k2	ADE, Bosch, Castle, Menvier, Pyronix, Scantronic, Texecom
Green	GN	1k/1k	Honeywell
Blue	BL	8k2/8k2	Guardall
Grey	GY	4k7/4k7	Aritech, HKC, Siemens
Purple	PU	6k8.4k7	GardTec
Yellow	YL	2k2/2k2	Europlex
Orange	OR	5k6/5k6	DSC

INSTALLATION

This 'HIGH SECURITY' contact and magnet are supplied as a matched pair; do not attempt to use the contact with any other magnet except as supplied. The contact and magnet must be positioned with the coloured dots on the same side. Mount the contact and magnet assembly to have an air gap between 5+ to 10mm, the circuits may reset at less than 5mm separation. Standard units are suitable for use on the left h/s of a door (looking out), units with product code ending '-REV' are suitable for use on the right h/s of a door. Connect, retaining coloured identification sleeves.



CONNECTION

The Contact can be used in the following formats:

- Double pole (No Resistors) – Single and double leaf doors Figures 1 & 2
- Fully Supervised Loop – Single and double leaf doors – All panels except Guardall Figures 3 & 4
- Fully Supervised Loop – Single and double leaf doors – Guardall panels Figures 5 & 6

IMPORTANT

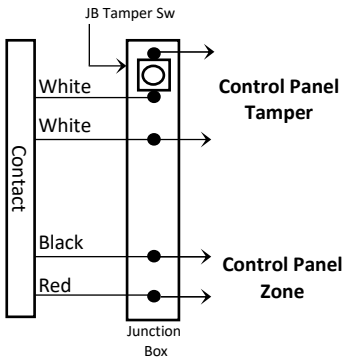
Do not shorten cable before reading the following paragraph.

The contact wires have been colour coded using coloured sleeves. The core wires are not coloured inside the sheath. To shorten the overall cable length, strip the sheath and slide the sleeves down the wires, then cut the cable to the required length, ensuring the coloured sleeves remain on the core wires.

The six wires are: 2 x white, 1 x red, 1 x yellow, 1 x blue & 1 x black.

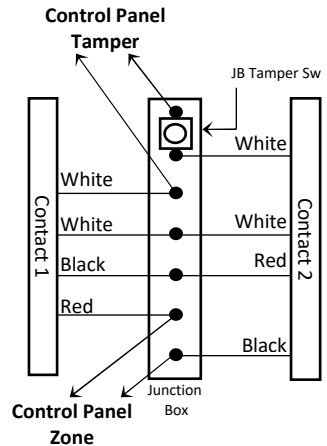
Double Pole Wiring - No Resistors

Figure 1: Single Leaf Door



Colours not shown are not connected

Figure 2: Double Leaf Door



Fully Supervised Loop – All panels except Guardall

Figure 3: Single Leaf Door

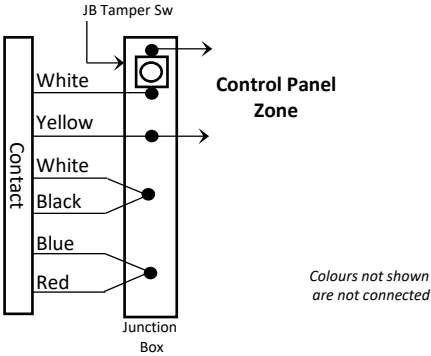
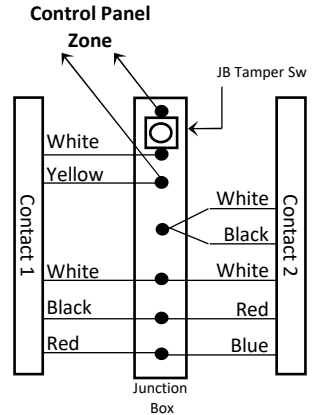


Figure 4: Double Leaf Door



Fully Supervised Loop – Guardall Panels

Figure 5: Single Leaf Door

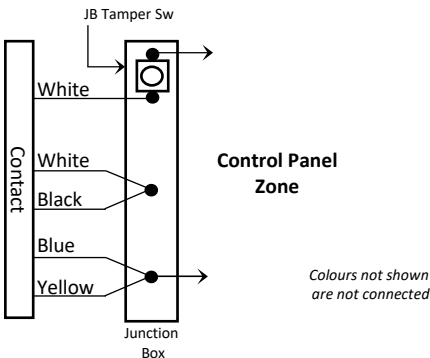
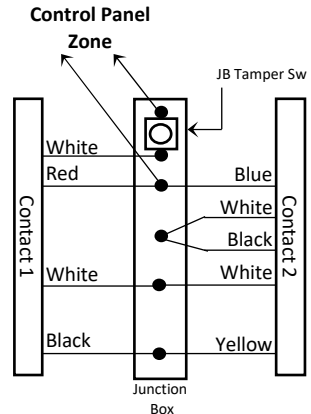


Figure 6: Double Leaf Door



SPECIFICATION

Housing Material	Cast Aluminium
Cable	6core stainless steel armoured
Sensor Dimensions (mm)	175 x 52 x 15 (112mm fixing centres)
Magnet Dimensions (mm)	85 x 70 x 35 (55mm fixing centres)
Fixing Screws	M6
EN50131-2-6 Grade	2
Environmental Class / IP rating	III / IP67
Temperature Range	-25°C to +50°C
Contact Material	Rhodium
Operating Gap – Minimum Maximum	5mm
	10mm
Power Rating	10VA
Voltage Rating	30V dc
Current Rating	1.0A Max
Resistance	<300mohms
Operating Life	>1 x 10 ⁶ operations

COMPLIANCE

This product meets the essential requirements of the following EU Directives:

EMC:	2014/30/EU
Low Voltage:	2014/35/EU
WEEE:	2012/19/EU
RoHS:	2011/65/EU

This product is 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**.



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