Roller Shutter Contact
Grade 3 Class III

Roller Shutter Contact 8 core Armoured Cable 1m length

ADIRS-G3C3-MUL-1M

Features

GRADE 3 CLASS III

- Integral Resistors
- Single Reed (normally closed)
- Operating Gap: ~25mm
- Resistors must be used in circuit, no 4 wire option
- Contact Dimensions: 150mm x 40mm x 18mm
- Lead Length: 1 metre
- Temperature Range: -40 to +50 °C
- 3 Years Warranty

UPC: 840049308275

PART #: ADIRS-G3C3-MUL-1M

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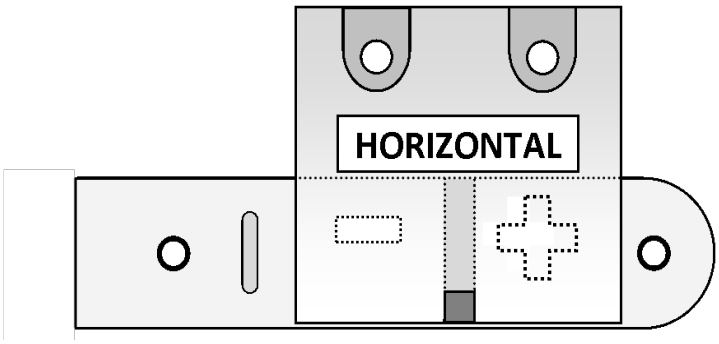
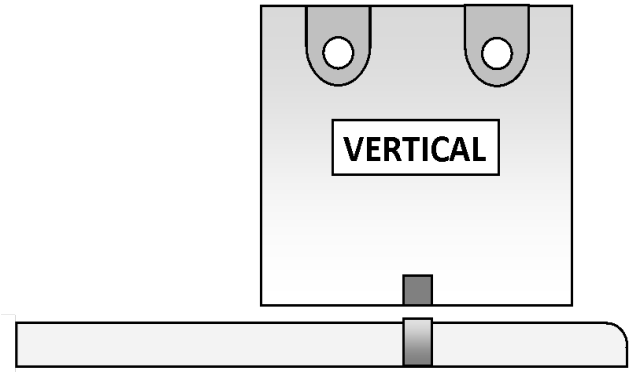
An R/S contact with built in resistors, must be wired in a fully supervised (EOL) format – it will not function as part of a 4-wire install. The contact is potted for environmental protection. Resistors are chosen by cable selection. Magnetic interference detection is achieved by the use of biased reeds.

Operation: The contact will operate with a gap of approximately 25mm between the magnet and reed and will break at 35mm. This distance will vary near magnetic surfaces, use spacers if you encounter resistance variance and/or infrequent tamper issues.

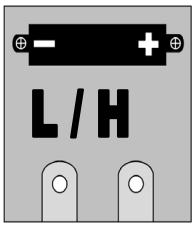
Installation: Fix the units to the mounting surfaces using the holes provided. The contact & magnet can be mounted horizontally or vertically, as long as the magnet meets the contact within the alignment configurations shown below:

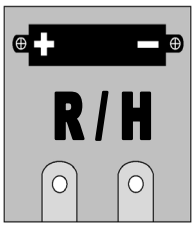




While this contact is designed with some lateral variation, doors in a particular state of disrepair may cause too much lateral variance, causing the contact to give a tamper signal. Ensure that the fitting surfaces are well maintained.

This is supplied as a left hand contact (from inside, looking out). To mount on the opposite side of the door, you must unscrew the plastic magnet holder from inside the magnet casting and rotate it 180°





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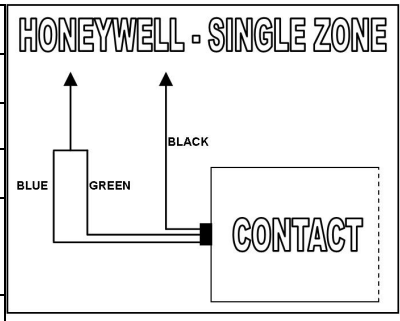
Single Zone Wiring

Connect your zone wires as shown in the table below. Where two colours are listed, they are intended to be joined together to form the zone wire. Joining wires in a suitable junction box is recommended. A Honeywell (1k/1k) example is shown for reference.

PANEL	EOL	ALARM	Wiring to panel	
			Connection 1	Connection 2
Honeywell / Ademco	1k	1k	BLACK	GREEN & BLUE
Europlex (3GS & Aplex)	2k2	2k2	RED & YELLOW	GREEN & BROWN
Castle, Menvier, Pyronix (PCX), Scantronic, Texecom (Premier)	2k2	4k7	RED & YELLOW	GREEN & WHITE
Siemens & Aritech, Pyronix (Matrix)	4k7	4k7	YELLOW	GREEN & WHITE
Gardtec	4k7	6k8	YELLOW	GREEN
Guardall**	4k1	4k1	RED	GREEN



**For Guardall panels, join the blue and white wires together.

Ensure that unused/trimmed wires are insulated. Shorting of unused wires will affect operation.

Shared Zone Wiring

Two contacts can share a zone. For this setup, refer to the table and diagrams below. Using a suitable junction box for joining wires.

PANEL	EOL	ALARM	Contact 1 wiring		Contact 2 wiring	
WIRING NOTE	-	-	*ZONE* WIRE(S)	JOIN THESE WIRES IN JUNCTION BOX		ZONE WIRE(S)
Honeywell, Ademco	1k	1k	Orange	Green & Blue	Black	Green + Blue
Europlex (3GS & Aplex)**	2k2	4k4	Orange	Green & Brown	Red & Yellow	Green & Brown
Pyronix (PCX), Texecom (Premier)	2k2	4k7	Orange	Green & White	Red & Yellow	Green & White
Siemens & Aritech, Pyronix (Matrix)	4k7	4k7	Orange	Green & White	Yellow	Green & White
Gardtec	4k7	6k8	Orange	Green	Yellow	Green
Guardall / Menvier/ Scantronic / Castle	See wiring diagrams					

**Europlex(3GS/Aplex) – also join the white wire of each contact to its own blue wire

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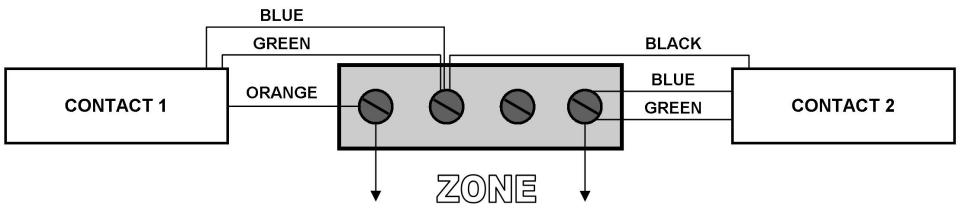
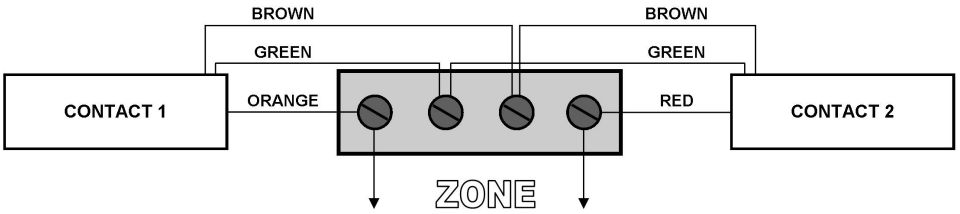
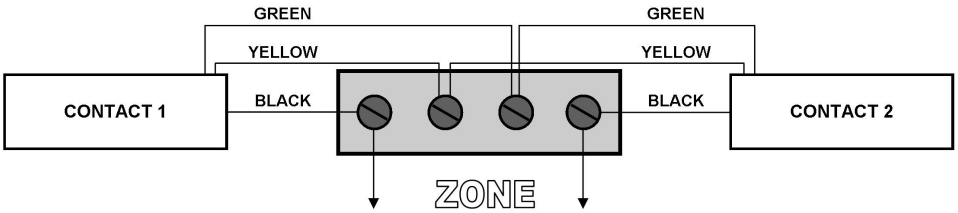
Wiring Examples, Honeywell



Guardall



Menvier / Scantronic / Cooper / Castle



Shared Zone Resistance Table

The following table shows the resistance across the zone in each situation. Ensure your panel will not fault/ tamper on the following resistances:

PANEL	Contact 1 & 2 SET (closed)	Contact 1 OPEN	Contact 2 OPEN	Contact 1 & 2 OPEN
Honeywell / Ademco	1k	2k	2k	3k
Europlex (3GS & Aplex)	2k2	4k0	4k0	5k8
Pyronix (PCX), Texecom (Premier)	2k2	6k9	6k9	11k6
Siemens & Aritech, Pyronix (Matrix)	4k7	9k4	9k4	14k1
Gardtec	4k7	11k5	11k5	18k3
Guardall	4k1	7k5	7k5	8k6
Menvier / Scantronic / Castle	2k	6k	6k	7k6

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