

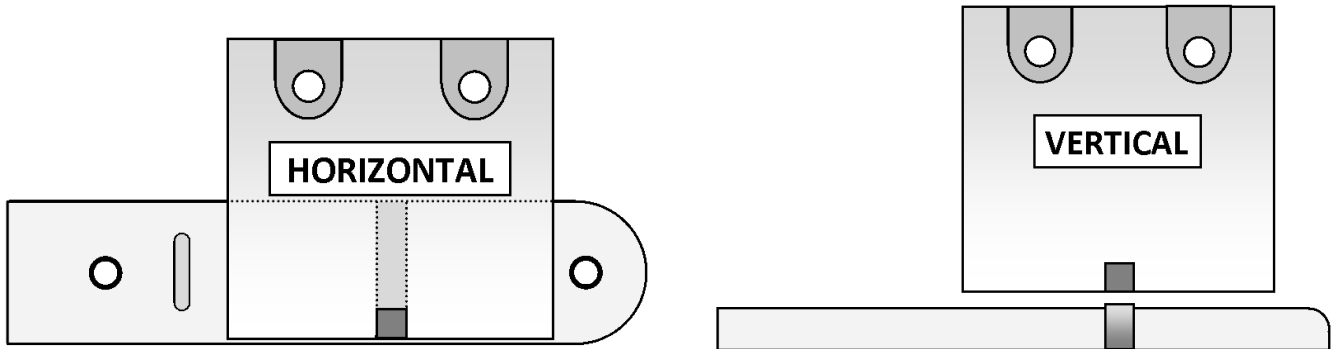
The F10CMULTI is an R/S contact with built in resistors. It **must** be wired in a fully supervised (EOL) format – it will not function as part of a 4-wire installation. The contact is potted for environmental protection and comes complete with armoured cable sleeving. Resistors are chosen by cable selection.

Operation:

The contact will operate with a gap of approximately 20mm between the magnet and reed and will break at 40mm. This distance will vary near magnetic surfaces (eg: steel) – use spacer **SPA-RS** if you encounter resistance variance and/or infrequent tamper issues.

Installation:

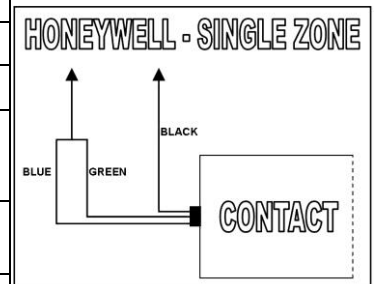
Fix the units to the mounting surfaces using the holes provided. The contact & magnet can be mounted horizontally or vertically, as long as the magnet meets the contact within the alignment configurations shown below:



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. We recommend joining wires in a suitable junction box. 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**	8k2	8k2	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.

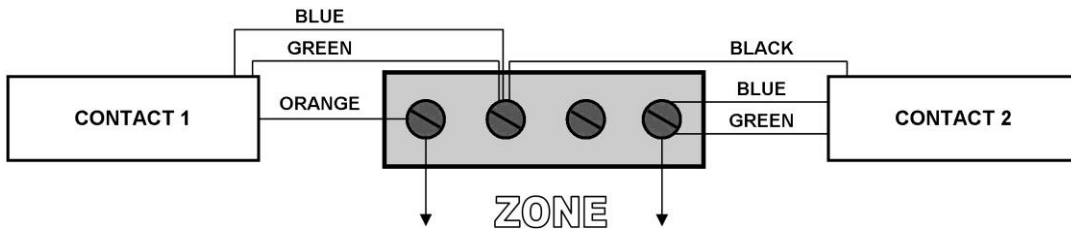
Shared Zone Wiring:

Two F10CMULTI contacts can share a zone. For this setup, refer to the table and diagrams below. Using a suitable junction box for joining wires is strongly recommended.

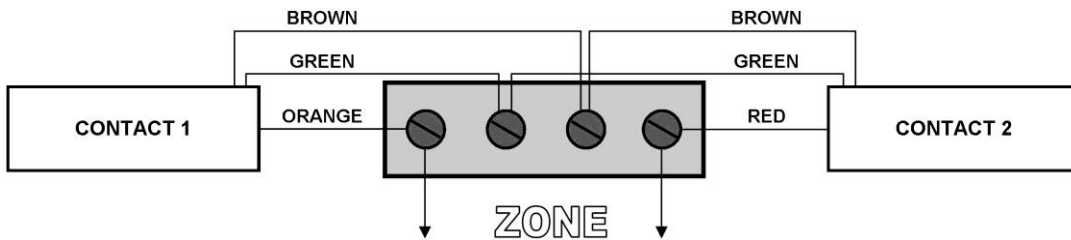
PANEL	EOL	ALARM	Contact 1 wiring		Contact 2 wiring	
WIRING NOTE	-	-	ZONE WIRE(S)	JOIN THESE WIRES IN JUNCTION BOX	ZONE WIRE(S)	
Honeywell, Ademco	1k	1k	Orange	Green & Blue	Black	Green + Blue
Europlex (3GS & Aplex)**	2k2	4k4	Orange	Green & Brown	Red & Yellow	Green & Brown
Castle, Pyronix (PCX), Texecom (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	See wiring diagrams					

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

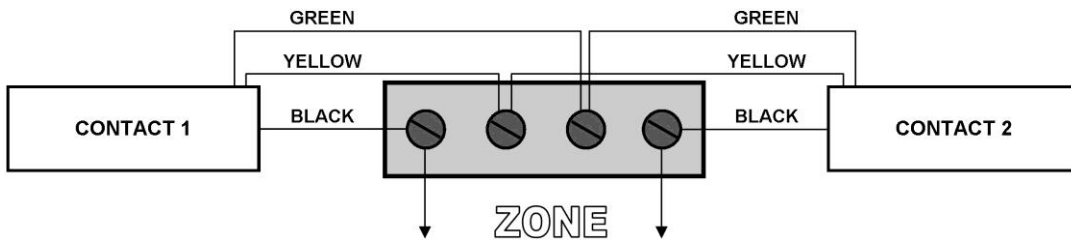
Wiring Example – Honeywell



Guardall Specific Wiring



Menvier/Scantronic/Cooper Specific Wiring



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
Castle, 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	2k	6k	6k	7k6