

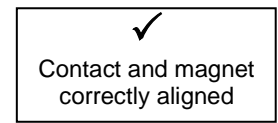
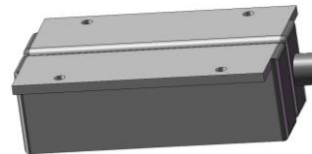
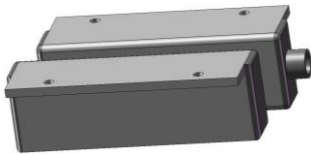
The H10A MULTI is an angle contact with built in resistors. It **must** be wired in a fully supervised (EOL) format – it will not function as part of a 4-wire installation. The contact is potted for environmental protection and comes complete with armoured cable sleeving. Resistors are chosen by cable selection.

**Operation:**

The contact will operate with a gap of approximately 35mm between the magnet and reed and will break at 45mm. This distance will vary near magnetic surfaces, this is dependent upon the material and thickness.

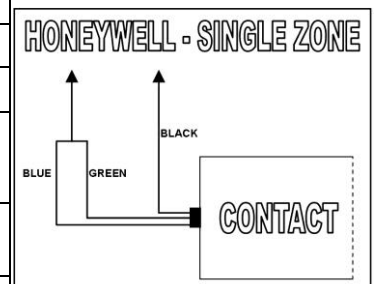
**Installation:**

Fix the backplate to the mounting surface using the fixing holes provided. Ensure the distance between the magnet and contact is less than 35mm – ideally around 15mm. It is vital to ensure that the contact and magnet line up horizontally to within 5mm of each other. If not the operating gap will be reduced


**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**  | 4k1 | 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.**

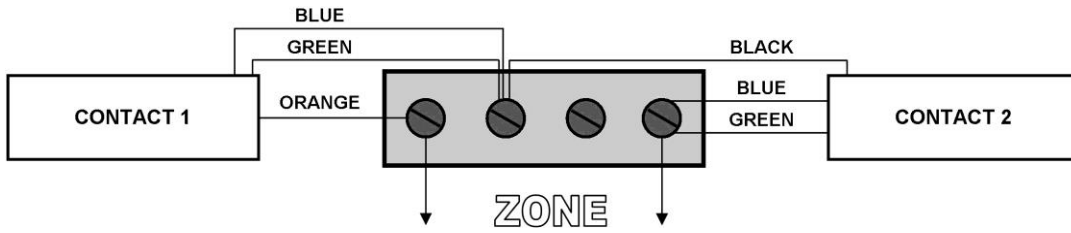
**Shared Zone Wiring:**

Two YH10A 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.

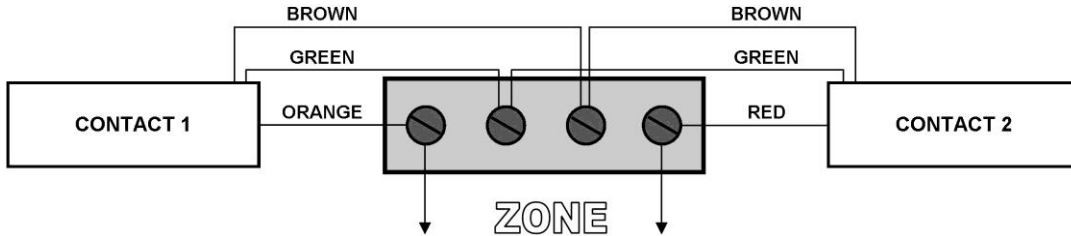
| PANEL                                    | EOL                 | ALARM | Contact 1 wiring |                                  | Contact 2 wiring |               |
|--|---------------------|-------|------------------|----------------------------------|------------------|---------------|
| <b>WIRING NOTE</b>                       | -                   | -     | 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

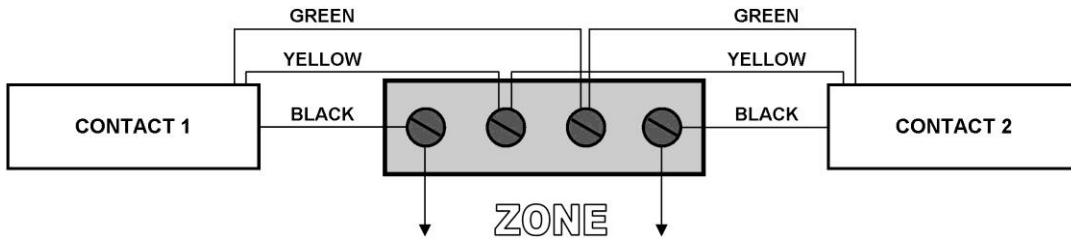


## Guardall Specific Wiring



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

## 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),<br>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                |