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## 6 Wire Contact Wiring Guide

Product designed to meet the requirements of EN 50131-2-6:2008 **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 in Fully Supervised Loop standard Double Pole systems, using Single or Multiple doors. See colour code chart below for matching Contact resistors to your Control Panel.

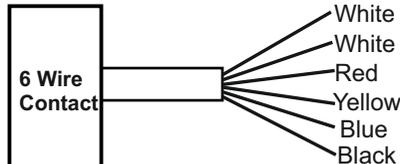
### Contact / Control Panel Colour Codes Spectrum Range

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   |

### Note: DO NOT SHORTEN CABLE BEFORE READING THE FOLLOWING PARAGRAPH.

The contact wires have been colour coded using coloured sleeving. The core wires are not coloured inside the sheath. To shorten the overall cable length, strip the sheath using the rip cord and slide the sleeves down to the required length. Then cut the cable to the required length - ensuring the coloured sleeves remain on the core wires to enable easy installation.

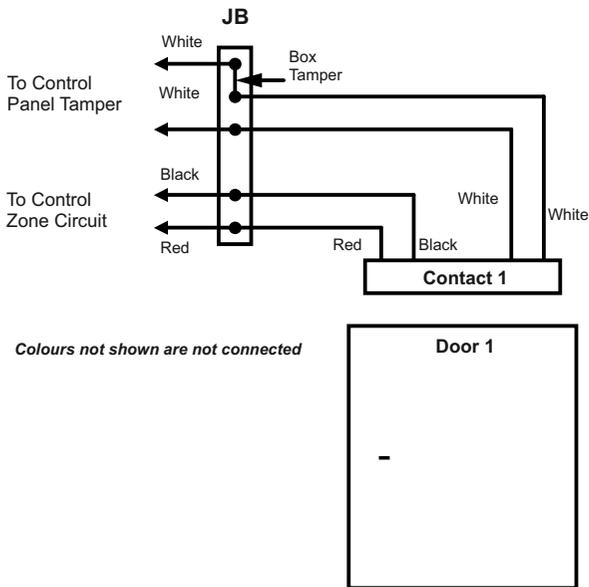


### Contact can be used in the following formats:

- 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

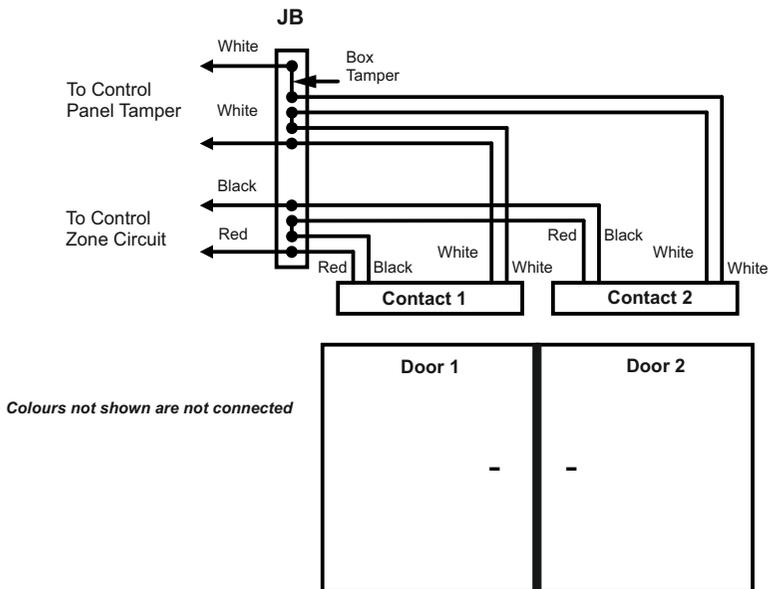
**Figure 1**

**Standard Double Pole Wiring (No resistors) - Single Leaf Door Arrangement**



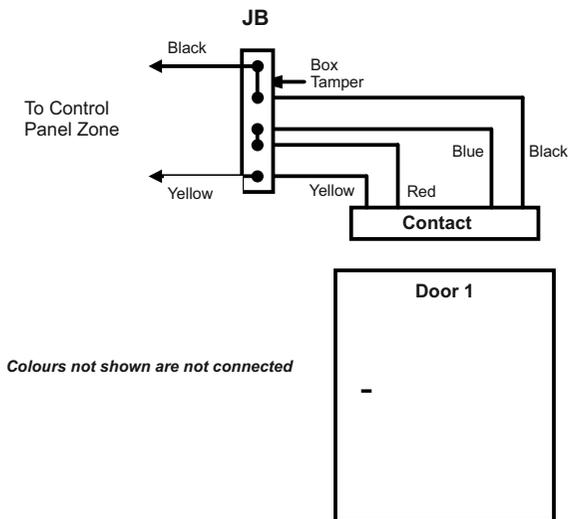
**Figure 2**

**Standard Double Pole Wiring (No resistors) - Double Leaf Door Arrangement**



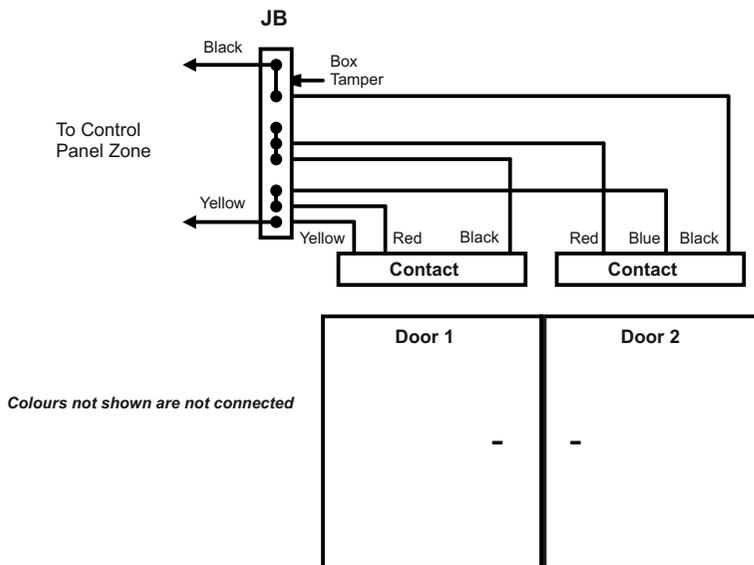
**Figure 3**

Contact Resistors + **End of Line Resistor (Series)** - Single Leaf Door Arrangement



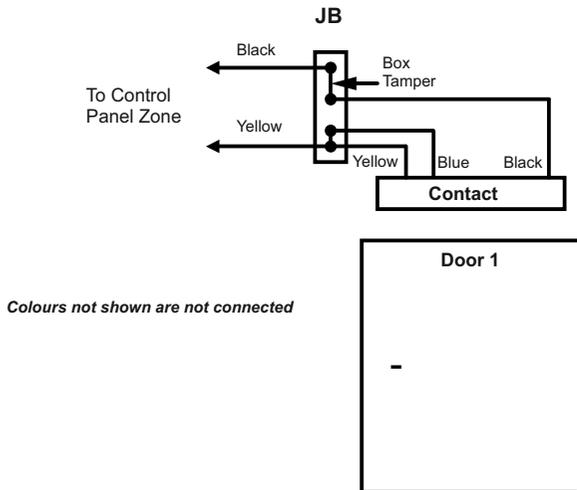
**Figure 4**

Contact Resistors + **End of Line Resistor (Series)** - Double Leaf Door Arrangement



**Figure 5**

**Contact Resistor + End of Line Resistor (Parallel) - Single Leaf Door Arrangement**



**Figure 6**

**Contact Resistor + End of Line Resistor (Parallel) - Double Leaf Door Arrangement**

