

Single Zone Contact Table					
Control Panel		Value		Single Contact	
EOL	Alarm	EOL	Alarm	EOL	Alarm
Honeywell		1k	1k	Black	Green/ Blue
Ademco, Galaxy		1k	1k	Black	Green/ Blue
Europlex		2k2	2k2	Red/ Yellow	Green/ Brown
Castle, Menvier, Pyronix, Scantronic, Texecom		2k2	4k7	Red/ Yellow	Green/ White
Aritech		4k7	4k7	Yellow	Green/ White
Gardtec		4k7	6k8	Yellow	Green
Guardall		8k2	8k2	Red	Red

Shared Zone Contact Table					
Value		Contact 1		Contact 2	
EOL	Alarm	EOL	Alarm	EOL	Alarm
1k	1k	Orange	Green/ Blue	Black	Green/ Blue
2k2	2k2	Orange	Green/ Brown	Red/ Yellow	Green/ Brown
2k2	4k7	Orange	Red/ Yellow	Red/ Yellow	Green/ White
4k7	4k7	Orange	Green/ White	Yellow	Green/ White
4k7	6k8	Orange	Green	Yellow	Green/ White
4k1	8k6	Orange	Brown/ Green	Brown/ Green	Red

**Description:**  
Grade 3 Class III  
Angled Aluminium Contact  
Pre-set, pre-fitted resistors potted

**Operating Gap:**  
See Inset Tables

**Material:**  
Aluminium,  
0.5 Metre 8 Core Armoured Cable

**Magnets:**  
Ferrite or Alnico V

**Contact Material:**  
Rhodium

**Voltage Range:**  
15v DC Max

**Switching Current:**  
500mA Max DC

**Temperature Range:**  
-40°C to +50°C

**Resistor Combinations:**  
Selectable through wiring combinations. See Inset Tables

**Description** The YH10A is a fully sealed Angled Contact with integral magnetic interference tamper detection. It meets all of the necessary requirements for magnetic contacts permitting it to be used within Grade 3 installations. The contact has installer selectable End of Line (EOL) and Alarm contact bypass resistors, and benefits from the option of a second device connected in series.

**Installation** Fix the contact to the mounting surfaces using the screws provided. The magnet should be installed such that its large face is parallel to, and aligned with, the corresponding face of the contact.

**Operation.** The table details the achievable operating gaps.

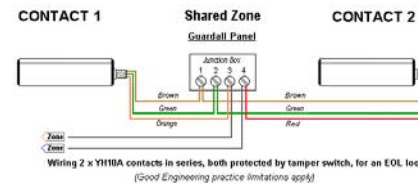
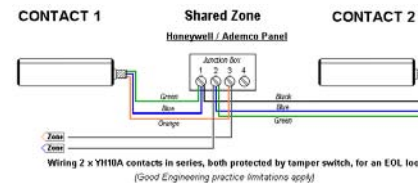
Note: Mounting on metal surfaces reduces the functionality according to the metal type and thickness

Mounting Surface	Make Distance	Break Distance
Non-magnetic	35mm	45mm

**Wiring** The YH10A is only suitable for use with systems using Supervised (EOL) wiring - Use the appropriate colour wires to achieve the necessary end of line and alarm bypass resistor values for the Control Panel (see 'Control Panel' table above). Only two connections are made to the Control Panel alarm circuit, and this provides both the alarm and tamper information. In the above table, if two colours are indicated, then those coloured wires shall be shorted together and both connected to one side of the alarm circuit.

**IMPORTANT:** Ensure unused wires cannot short to any other wire or connection, other than indicated by the 'Control Panel' table above.

*This product meets the requirements of TSS0131-2-6 and is suitable for use in systems designed to comply with PD 6662 and EN50131.*



YH10A Shared Zone Wiring

**KNIGHT**

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Drwg No: **YH10A**

Drawn: *Chris Moorman*

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Fixing Screws Provided



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All cases of ™ Infringement will be pursued.

All dimensions in mm  
Do not scale