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## Surface Magnetic Contact with Selectable Resistors

**Part Code: YEND74**



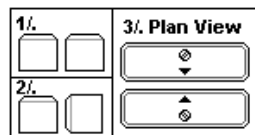
**Security Grade 2 & 3 Environmental Class 2**  
**Manufactured to EN50131**

### Description

The YEND74 is a surface mount contact with integral tamper switch and 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 resistors as well as an optional bypass of the magnetic tamper detection. It can be wired in either traditional or fully supervised (EOL) formats.

### Installation

Fix the backplate to the mounting surfaces using the fixing holes provided. Feed the cable into the contact, and wire into the appropriate terminal blocks. Select the appropriate wiring format and/or resistor values (see table right). Ensure that the tamper switch and spring are clear from obstruction when fitting the cover.



The diagrams 1 to 3 alongside show suitable mounting configurations. For optimum performance lining up the arrows embossed on the contacts surface should align the centres of the reed and magnet. Do not alter position or orientation of board inside.

Control Panel	Value		Jumper positions		Magnetic Interference Bypass Jumper Jumper positions shaded
	EOL	Alarm	EOL	Alarm	
Honeywell Ademco	1K	1K	A	1	
Scantronic, Menvier, Texecom, Pyronix, Castle	2K2	4K7	BC	2	
Aritech	4K7	4K7	C	2	
Gardtec	4K7	6K8	C	3	
Guardall	8K2	8K2	B	24	
DSC	5K6	5K6	D	34	

### Wiring – Single Zone

Traditional (4 Wire) – Ensure no jumpers are fitted. Use all four terminals as marked.

Supervised (EOL) – Fit the appropriate jumpers for the control panel (See Table). Connect the loop wires to the outer terminals marked • Do not loop across the inner terminals.

Other – Some applications may not require both resistors. In these cases fit jumper(s) in EOL or Alarm position as appropriate.

### Magnetic Interference Detection (MID)

The Magnetic interference detection, (MID) is achieved with a reed switch (on the top of the contact PCB), which is wired in series with the tactile tamper switch. If an interfering magnet is brought near to the contact then this reed will operate and a tamper signal will be generated. This is independent of the chosen wiring method. For installations where this is not required, e.g. Grade 2, then the magnetic interference detection may be bypassed by inserting the jumper (as shown by the larger black arrow in the above right table).

### Operation

The table gives the achievable operating gaps.

Mounting Surface	Make Distance	Break Distance
Non-magnetic	15mm	25mm
Magnetic	10mm	20mm

### Wiring – Shared Zone

To use two units in a shared zone select the appropriate jumper use from the table. The illustrated example shows the 1KR/1KR settings for a Galaxy Panel When completed the readings should be as follows:-

- Both Contacts Open 3K
- One Contact Open 2K
- Both Contacts Closed 1K

