

The YA90-PA-HO is a flush 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. Resistors are chosen by cable selection. Magnetic interference detection is achieved by the use of biased reeds.

Operation:

The contact will operate with a gap of approximately 20mm between the magnet and reed. This gap will reduce if mounted on or near ferromagnetic materials (steel doors, etc)

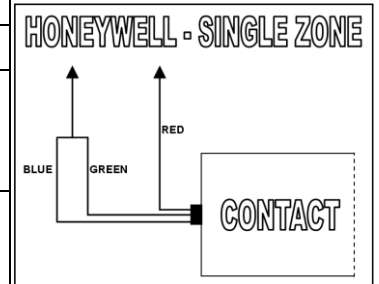
Installation:

Fix the fascia plate to the prepared mounting surfaces using the fixing holes provided. Feed the cable from the contact, and wire into the appropriate terminal blocks. Select the appropriate wiring format and resistor values (see tables). Ensure that unused wires and any trimmed wires cannot short out to any other connections. Only two connections are made to the control panel alarm circuit, providing both the alarm and tamper information.

Single Zone Wiring:

Use the following table and example diagrams to select the correct wiring for a single contact. Where two wire colours are listed, they are intended to be joined together.

PANEL	EOL	ALARM	Wiring to panel	
			Connection 1	Connection 2
Honeywell / Ademco	1k	1k	RED	GREEN & BLUE
PACOM	10k	10k	BLACK	GREEN & WHITE

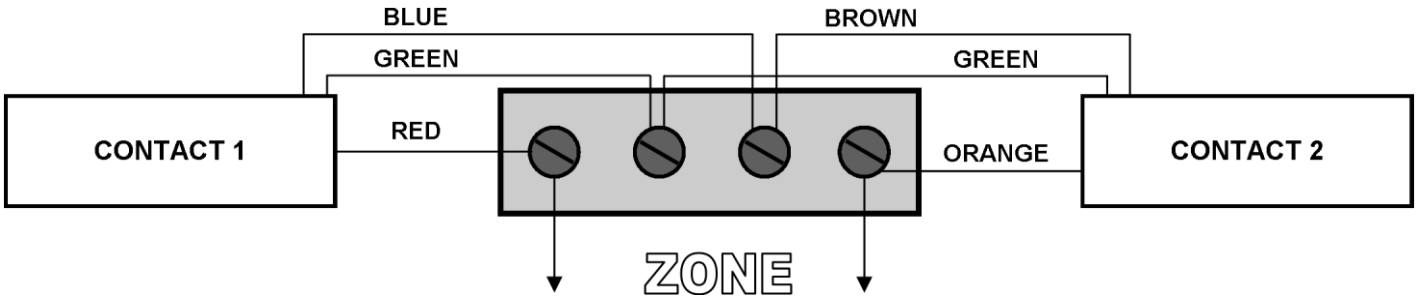


Ensure that unused/trimmed wires are insulated. Shorting of unused wires will affect operation.

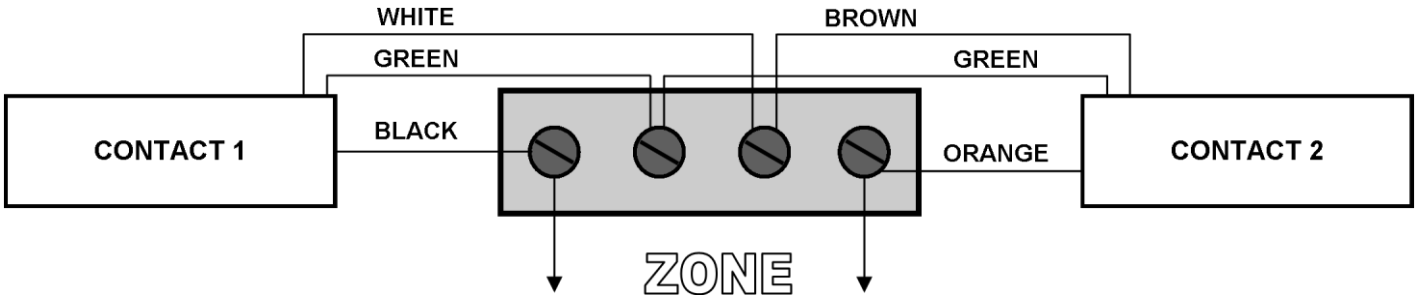
Shared Zone Wiring:

Two YA90-PA-HO contacts can share a zone. For this setup, refer to the diagrams below. Using a suitable junction box for joining wires is strongly recommended.

Wiring – Honeywell



Wiring - PACOM



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	2k
PACOM	10k	20k	20k	20k

Ensure that unused/trimmed wires are insulated. Shorting of unused wires will affect operation.