

The A45 1k 1k is a single reed flush contact complete with tamper detection and 1k/1k EOL/Alarm resistors. The operating gap is approx. 0-15mm – but this may be affected if mounted near ferrous materials.

## **INSTALLATION**

Drill a 24mm deep, 20mm diameter hole in the door frame for the contact. Drill a 15mm deep, 20mm hole in the door for the magnet. Rebate a 36mm x 22mm area 2mm deep on the holes to allow the plates to sit flush with the surface.

Connect the reed/alarm wires to the nickel terminals (closest to microswitch).

Connect the tamper wires to the brass terminals

Insert complete contact into door and magnet into frame. Ensure the contact tamper switch is engaged.

If the tamper does not engage (sometimes possible on lower quality doors/openings), thread the alarm & tamper wires through the holes in the contact cover and slide the contact cover over the contact, ensuring the tamper switch engages. If fitting with the cover in place, the fitting hole will need to be opened to 20.4mm to compensate for the added girth.

Screw into place using the screws provided.

## **NOTES**

The tamper switch is rated 30vDC, 50mA

The reed is rated 200vDC, 50mA

See overleaf for wiring diagram

## CIRCUIT DIAGRAM

The below diagram shows the wiring of the contact. The dotted border indicates internal circuitry already present in the contact. Installers should only wire the single brass and single nickel terminal to the zone.

