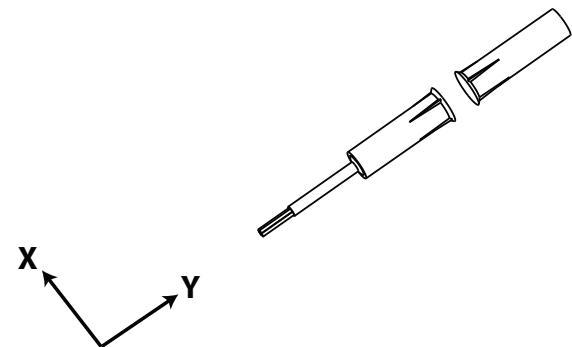


## Specifications



Approximate Operating Distances (mm)  
Non Ferrous Surface

	Min Close	Max Open
X	15mm	30mm
Y	15mm	30mm

Mounting on a ferrous surface will reduce these figures, dependant on the material and thickness.

Specifications			
Switch	Housing		
Contact Material:	Palladium	Material:	High Impact Polystyrene
Contact Rating:	1A @ 12Vdc	Contact Dimension (mm):	9.5mm dia x 31.5mm
Contact Resistance:	100 milliOhms	Contact Head (mm):	11.5 mm dia
Temperature Range:	-15° C to +40° C	Magnet Dimension (mm):	9.5mm dia x 34.25mm
Life Expectancy:	>1,000,000 cycles	Magnet Head (mm):	11.5 mm dia
		Metal Door Adaptor (mm):	24.75 dia x 19mm
		Metal Door Adaptor Head (mm):	31mm dia

### Environmental Advice.

This product is covered by current WEEE regulations. Please consider the effect on the environment when disposing of it. Do not put in a domestic waste bin. Only dispose of at an appointed recycling centre.



RoHS compliant.

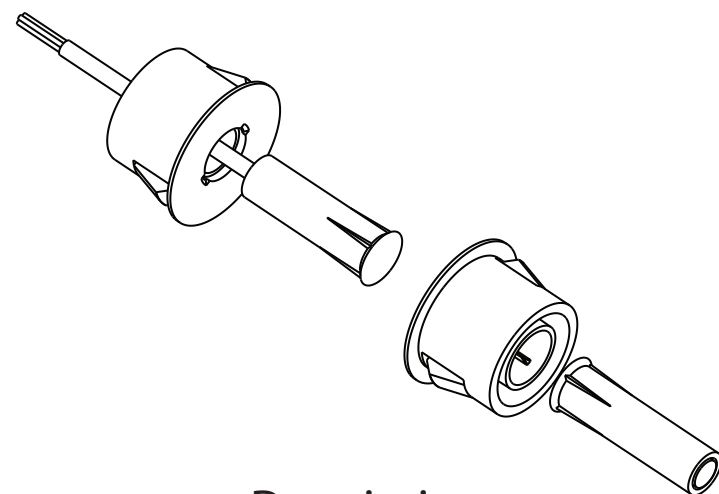
This product is designed to meet the requirements of EN50131-2-6:2008  
Security grade 2, environmental class II



## FC620/WH Magnetic Flush Contact.

Flush mounted magnetic contact.  
Suitable for metal door or window applications.  
Double Pole configuration  
Suitable for domestic and commercial alarm circuits.  
Can be used in installations up to and including grade 2.  
High impact polymer construction.

## Operating and Installation Instructions



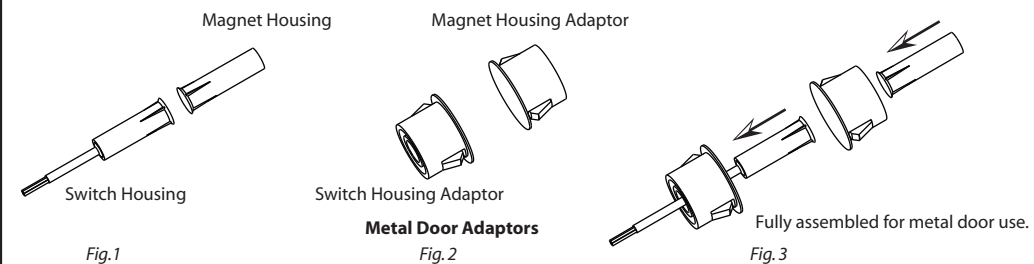
### Description

This flush mounted magnetic door contact can be used in most security systems up to and including grade 2 as specified in EN50131-1:2006 and is compliant to EN50131-2-6:2008 and environmental class II (for use indoors). It operates as a normally closed circuit going open when the magnet is removed. This contact can be used on most doors to detect the unauthorised entry of an intruder.

CQR Security, 125, Pasture Road, Moreton, Wirral, CH46 4TH, United Kingdom

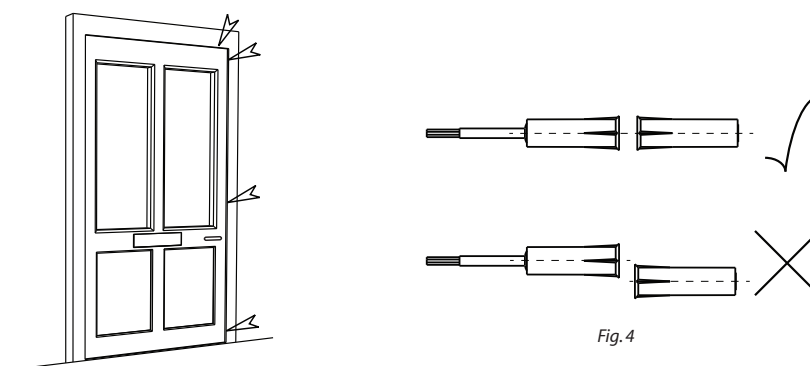
Tel: +44 (0) 151 606 9595 Support: +44 (0) 151 606 6311 email: info@cqr.co.uk Web http://www.cqr.co.uk

## Features



## Suitable Applications and Fixing Points

Recommended fixing points  
Residential and Commercial Doors



## Mounting Instructions

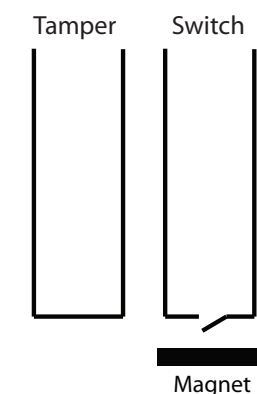
### For Wooden Doors.

To install the contact housing, drill a 10mm hole into the door frame to a minimum depth of 32mm on the opening side of the door. Drill a suitable hole to allow for cable entry and feed the cable through it. Insert the unit into the prepared hole by tapping with a mallet or using a hammer and a bit of wood to protect the contact. To fit the magnet, carefully mark the position on the door from the already fitted contact to ensure that the centre of the magnet is aligned with the centre of the contact. Drill a 10mm hole to a minimum depth of 35mm into the door. Tap the magnet housing into the hole.

### For Metal Doors.

To install the contact housing in a fabricated metal door frame of up to 3mm thick, use a 25mm hole saw to drill the hole through both the frame and the door ensuring correct alignment as shown above in Fig. 4. Remove sharp edges from around the drilled holes prior to fitting the units. Assemble the units into the prepared holes as shown in Fig. 3

## Wiring Configurations



### Note:

This door contact is double pole only and is not suitable for end of line monitoring. The switch is normally closed and goes open when the magnet is removed.

After the cutting the cable to a suitable length for termination into a junction box, strip back the outer sheathing of the cable to reveal the four white wires. Strip each wire in turn to the required length.

Using a multimeter set to continuity or ohms, by a process of elimination discover the two wires that show continuity. These two are the tamper loop. The remaining two are the switch that will be connected to the zone in the control panel.

### Note:

The magnet housing should not be near when discovering the tamper pair as the switch pair will also be closed in the presence of the magnet.

Terminate the wires into a suitably placed junction box. We recommend the use of a CQR JB701 for this application.