## Panel 4

**Control panel types available on this model.**

| Type | Control Panel | Alarm | Tamper |
|---|---|---|---|
| A | Honeywell, Ademco Microtech | 1K | 1K |
| B | Scantronic, Menvier, Pyronix PCX (12, 22, 44, 128 VID), Texecom, Castle CareTech G3 Plus. | 4K7 | 2K2 |



X
Y
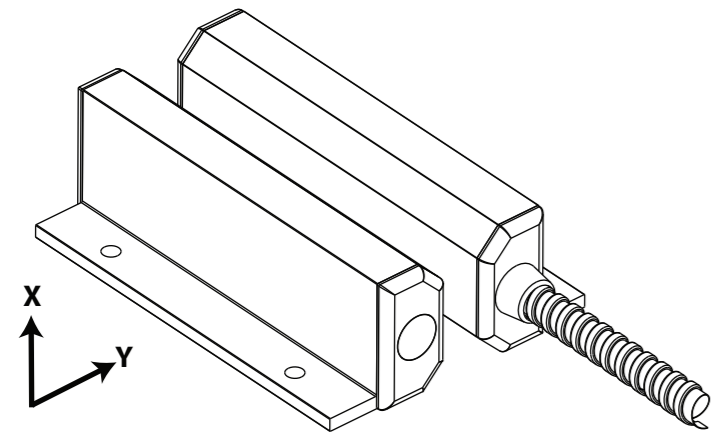
**Approximate Operating Distances (mm) using Non Ferrous Surfaces**

| | | |
|---|---|---|
| X | Min Close | 8mm |
| | Max Open | 32mm |
| Y | Min Close | 8mm |
| | Max Open | 22mm |

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

**Specifications**

| Switch | | Housing | |
|---|---|---|---|
| Contact Material: | Rhodium & Ruthenium | Material: | Aluminimum/ABS |
| Cable : | 8 core x 7/0.2 Copper | Armoured Cable Length: | 570mm |
| Contact Rating: | 500mA @ 12Vdc | Contact Dimension (mm): | 85 x 27 x 26 |
| Contact Resistance: | 100 milliOhms | Contact Fixing (mm): | 50mm centres |
| Temperature Range: | -15° C to +40° C | Magnet Dimension (mm): | 85 x 27 x 26 |
| Life Expectancy: | >1,000,000 cycles | Magnet fixing (mm) | 50 centres |

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## Panel 1

CQR
MAXIMAL

# GP001/AB/G3 Magnetic Surface Contact.

Surface mounted magnetic contact.
Heavy duty aluminium construction
Magnetic interference detection.
Double pole or EOL configuration for types A & B.
Suitable for  domestic and commercial alarm circuits.
Can be used in installations up to and including grade 3.
Sealed to prevent tampering.
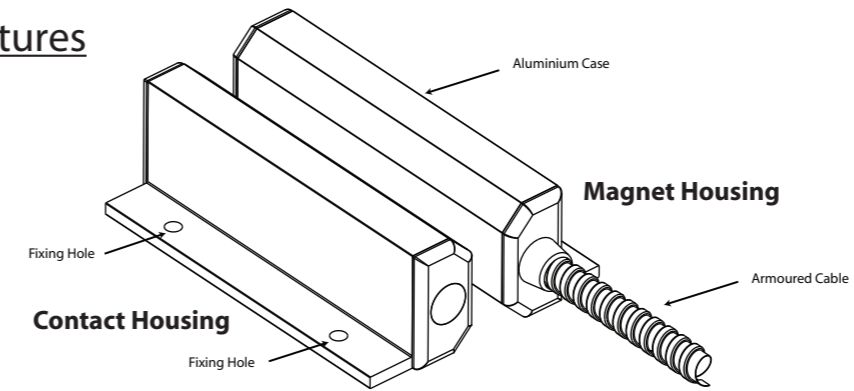
# Operating and Installation Instructions
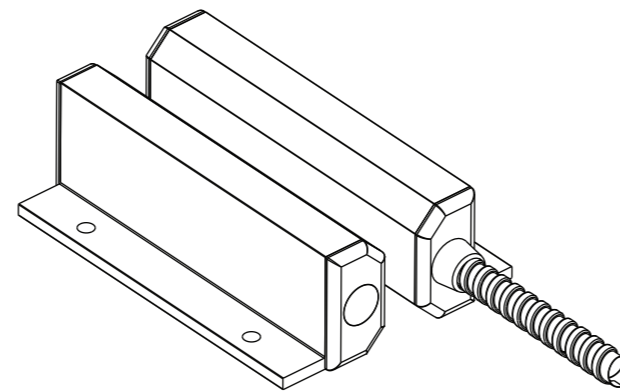


## Description

This heavy duty surface mounted magnetic contact can be used in most security systems up to grade 3  as specified in EN50131-1: 2006 and is compliant with EN50131-2-6:2008 and environmental class II (for use indoors). It operates as a normally closed circuit going open when the magnet housing is moved away from the contact housing. This contact can be used on doors and windows to detect the unauthorised entry of an intruder. A number of applications are shown over. The contact is sealed to prevent access to inside of the unit. Additionally there is a magnetic interference detection circuit for signalling the proximity of a magnet, which typically would be used by an intruder trying to inhibit the performance of the contact.
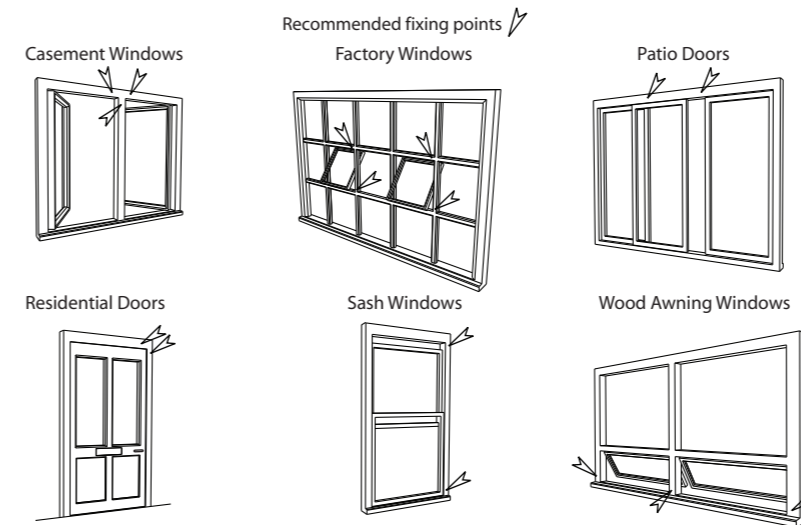
1                GP001/AB/G3 Issue 04

## Panel 2

## Features



Aluminium Case
**Magnet Housing**
Fixing Hole
Armoured Cable
**Contact Housing**
Fixing Hole

### Suitable Applications and Fixing Points

Recommended fixing points



Casement Windows    Factory Windows    Patio Doors
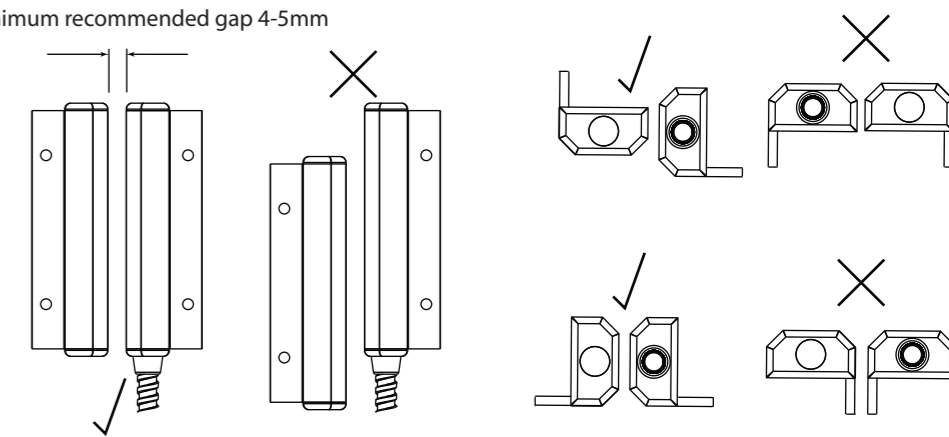Residential Doors    Sash Windows    Wood Awning Windows

## Mounting Instructions

Mount the contact housing using the fixing holes as shown in the diagram. Please see the mounting  configurations to ensure that the contact is mounted in the most suitable location. Terminate the contact as shown in the diagrams using a suitable junction box that can isolate the spare wires from each other.  We recommend the use of a JB707/WH as an ideal choice. Mark out the position of the magnet housing and secure in place with the screws provided. It is recommended that a gap of at least 4-5mm is used between the reed and magnet housing. Finally, in the event that the door magnet affecting the magnetic interference detection circuit thus causing a tamper fault, reposition the magnet further away until the situation is resolved.
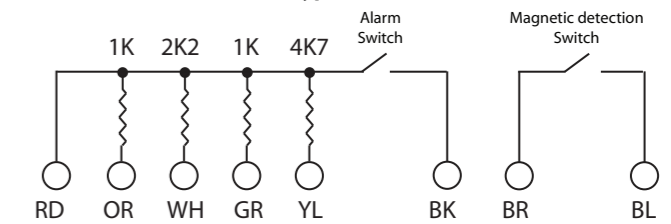
2

## Panel 3

## Mounting Configurations

Minimum recommended gap 4-5mm



## Wiring Configurations

**SCHEMATIC 8 Wire GP001 G3**
**Type A & B**

Alarm Switch
Magnetic detection Switch

1K   2K2   1K   4K7



RD   OR   WH   GR   YL        BK   BR   BL

### Wiring Options

| | | |
|---|---|---|
| Red / Black | Connect to Zone. | Reed only |
| Brown / Blue | Connect to Zone. | Magnetic interference detection only |
| Green / Black / Orange | Connect to Zone. | End of line type A 1K Switch 1K Tamper only |
| Yellow / Black / White | Connect to Zone. | End of line type B 4K7 Switch 2K2 Tamper only |
| Green / Black / Brown / Blue / Orange | Join together only / Connect to Zone. | End of line type A 1K Switch 1K Tamper with magnetic interference detection |
| Yellow / Black / Brown / Blue / White | Join together only / Connect to Zone. | End of line type B 4K7 Switch 2K2 Tamper with magnetic interference detection |

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