

1.0 OVERVIEW

1.1 Introduction

The Metal Touch is a request-to-exit switch, It will work independently (standalone) or can equally be connected via a controller to provide exit from a secured area (Push Button Input). With its slim looks and die-cast metal body, the Metal Touch combines elegance and aesthetics with ruggedness and reliability.

1.2 Features

- Feather light touch control.
- Works in Pulse and Latch mode.
- Ideal for a wide range of applications
- Vandal-resistant
- A separate terminal block to earth the housing.

Audio and Visual indications:

- Front dual light indication.
- Buzzer sound on every touch.

1.3 Specifications

Input voltage:	12V DC
Current consumption:	Min 45mA & Max 80mA
Output:	Relay (1A@ 24 DC / 120V AC).
Illumination (LED)	Normal - RED
	Operation – GREEN
Operating Temperature:	-15° to 55°C (internal use)
Operating Humidity:	Non-condensing up to 95%
Dimension (mm):	92L x 51W x 25H
Housing:	Die-cast zinc alloy housing.
Touch Plate:	Stainless steel.

2.0 INSTALLATION

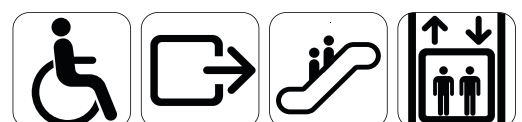
2.1 Mounting

1. Identify a suitable location on a wall or flat surface.
2. Stick the Drilling Template provided on chosen location. Drill 3 holes as indicated in the diagram.
3. Insert 3 nos. of 6 mm wall plugs provided into the drilled holes.
4. Route the cables through the holes provided in the BackPlate.
5. Fix the BackPlate firmly on the wall using 3 nos. of 4 x 30mm CSK screws.
6. Connect wires to PCB.
7. After wiring, place the Housing over the fixed BackPlate and guide the slot into the BackPlate tab and slide it downwards.
8. Fix the Housing to the Back-Plate with a M3 x 6 mm Security Screw on the bottom of the Housing using a Security Screwdriver provided.

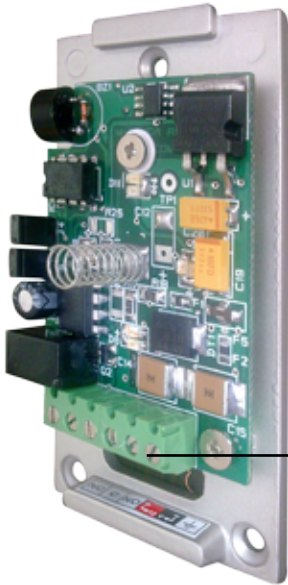
Important Note: Several layers of protection are provided against transient voltages from static discharge, lightning and power supply spikes. For protection to be fully effective, earthing should be done correctly.

3.0 APPLICATIONS

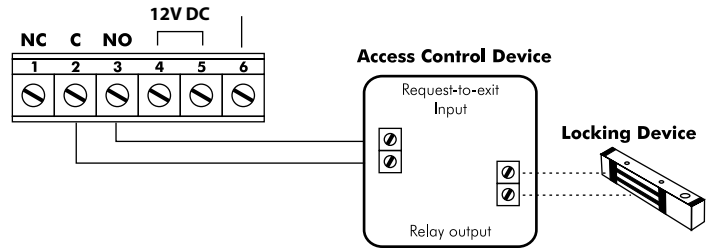
- Light switches
- Exit button (Access control)
- Elevator buttons
- Industrial panels



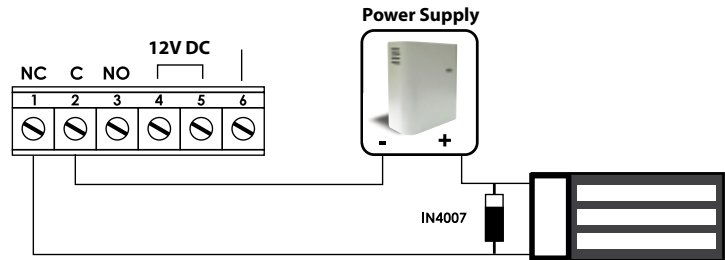
3.1 PCB View



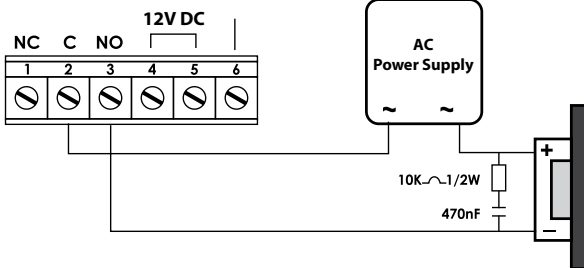
3.2 Applications & Wiring



3.3 Output Connection for DC Device - Fail Open



3.4 Output Connection for AC Device - Fail Secure



Important Note:

Several layers of protection are provided against transient voltages from static discharge (ESD), lightning and power supply spikes
For protection to be fully effective, earthing should be done correctly to Avoid any damage.

4.0 OPERATION MODES

The table illustrates the Jumper settings in different modes

Metal Touch operates in Latch and Pulse mode to set the timings. The time is set by Jumper setting. Two jumpers are used for setting time Jumper J4 and Jumper J5.

Note:

- Set the operating time only before switching on power to the Metal Touch.
- Switch off the power supply to the Metal Touch if the operating time is to be changed. Select a new time setting and then wait a few seconds for the circuit to re-adjust before switching back the power.

Operation	Jumper J4	Jumper J5	Positions J4 J5
Latch mode	Close	Close	
5 Seconds	Open	Close	
10 Seconds	Close	Open	
3 Seconds	Open	Open	

Approvals and Safety standards

Immunity: Meets to EN50082-2 (EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5 and EN61000-4-6)

Warranty : XPR warrants its products to be free from defects in material and workmanship for 24 months from the date of shipment. The product is to be installed in accordance with XPR's instructions and the unit should not be modified or tampered with. XPR does not assume any responsibility for damages arising from misuse of the product. XPR's sole responsibility is limited to the repair or replacement when the product is sent to XPR's facility.



As per the European Directive's 2002 / 95 / EC & 2002 / 96 / EC

This product is in compliance to the restriction of hazardous substance - ROHS under (Directive 2002 / 95 / EC) and this product should not be disposed in the municipal waste stream but should be handed over to any designated collection facilities appointed by the government or the local authorities to enable recovery & recycling as per WEEE (Directive 2002/96/EC). w.e.f 1st July'2006



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