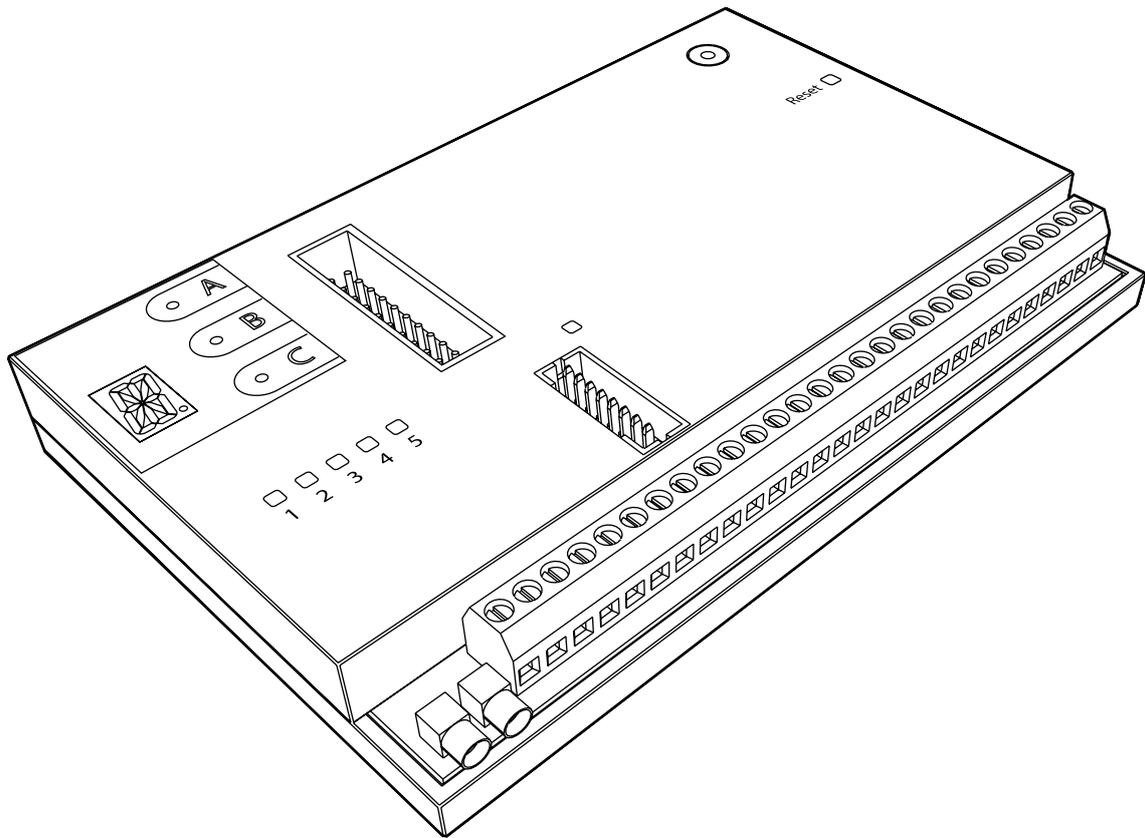


SmartCell



Internal Communications Module Installation Guide

Contents

Part number and product description	3
Pre installation	3
Components	4
Disconnect the mains supply	5
Open the control panel	5
Remove the battery	6
Remove the terminal block	6
Connect the riser card	7
Fit the communications module	8
Replace the terminal block	9
Ethernet connection	10
Back-up 4G connection	11
Fit the back-up battery	12
Close the control panel	12
Apply power	12
Connect to Smartcell Services	13
Input and output markings	13
Specification	14
Regulatory information	14

Part number

SC-61-0002-0001-99

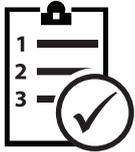
Product description

Internal communications module (Nano 2)

Pre installation



Installation must conform to applicable local installation codes and should only be installed by a fully trained competent person.



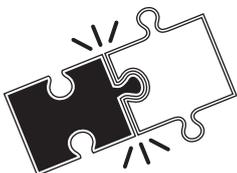
The procedures outlined in this installation guide must be carefully followed.



This device contains electronics that may be susceptible to damage from Electrostatic Discharge (*ESD*). Take appropriate precautions when handling electronic boards.



To ensure correct operation, products must be used within the specified environmental operating conditions.

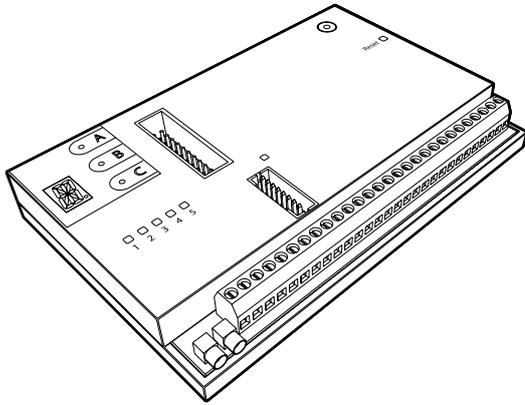


This communications module can only be fitted internally within SmartCell control panels containing backboards with riser card retaining slots. See page 8.

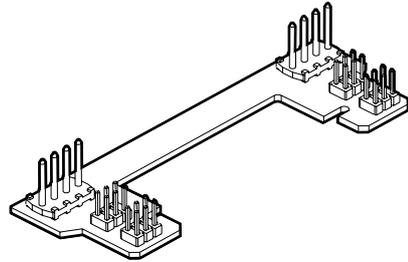


For previous revisions of SmartCell control panels, the communications module can be connected externally via serial connection. A suitable enclosure must be used. Refer to the SmartCell programming guide (*TSD155*) for full wiring details.

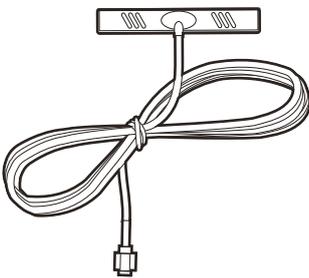
Components



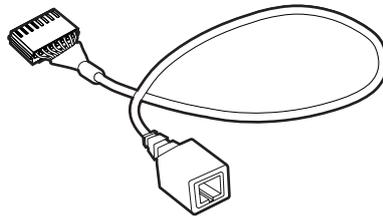
Communications module



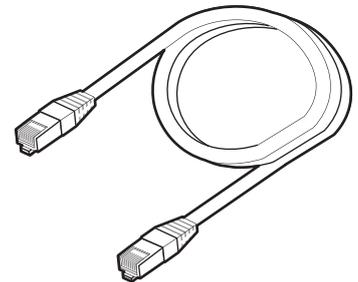
Riser card



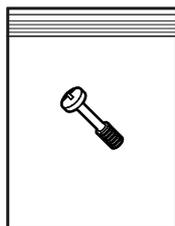
GSM antenna



LAN adapter cable



Ethernet cable



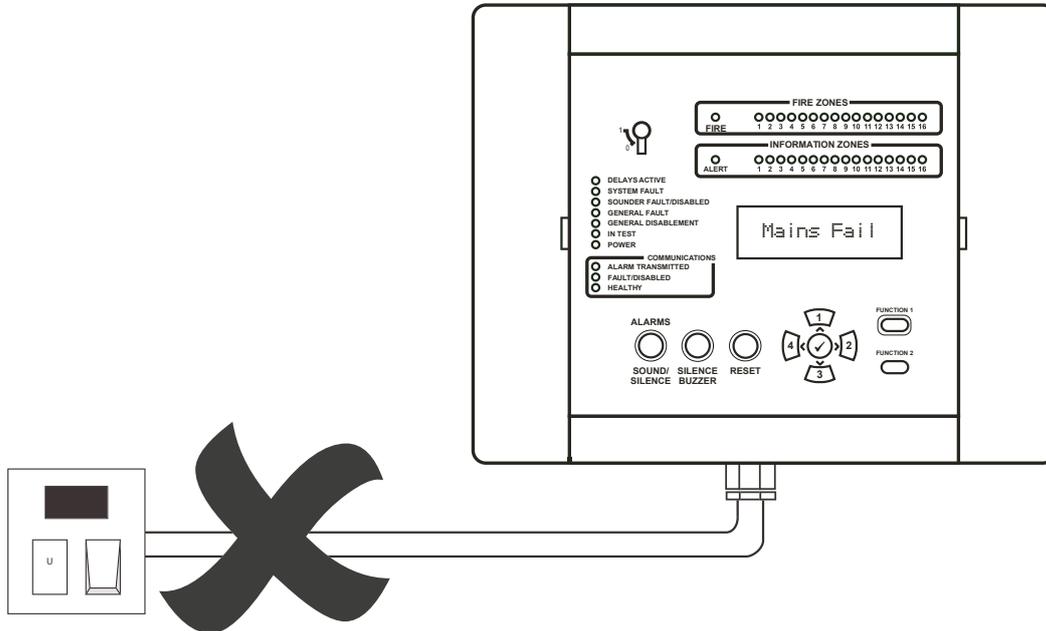
Captive screw



SmartCell Services
registration card

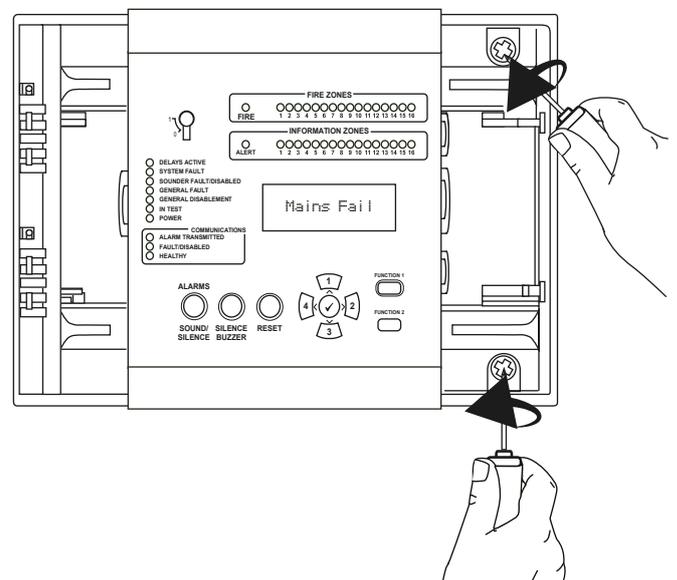
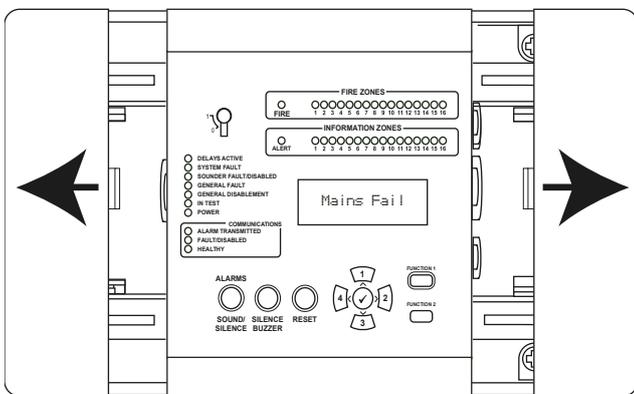
Disconnect the mains supply

- The mains supply must be disconnected before any further work commences.



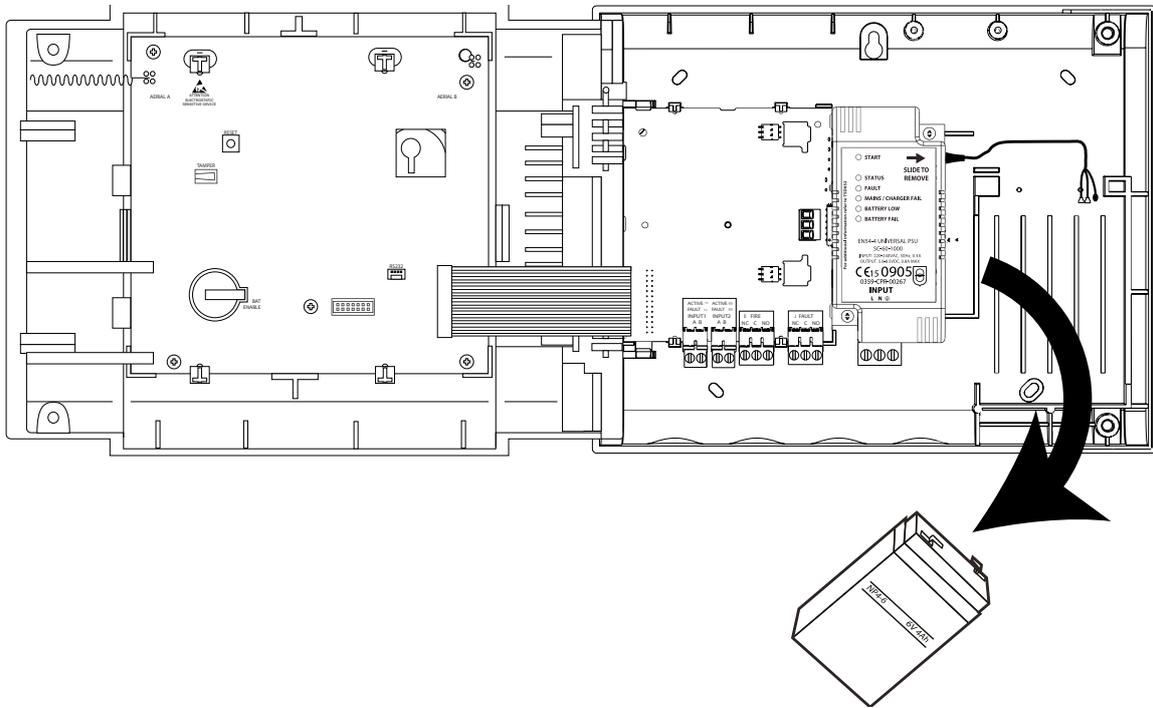
Open the control panel

- Unclip the side panels.
- Loosen the two screws and open the door.



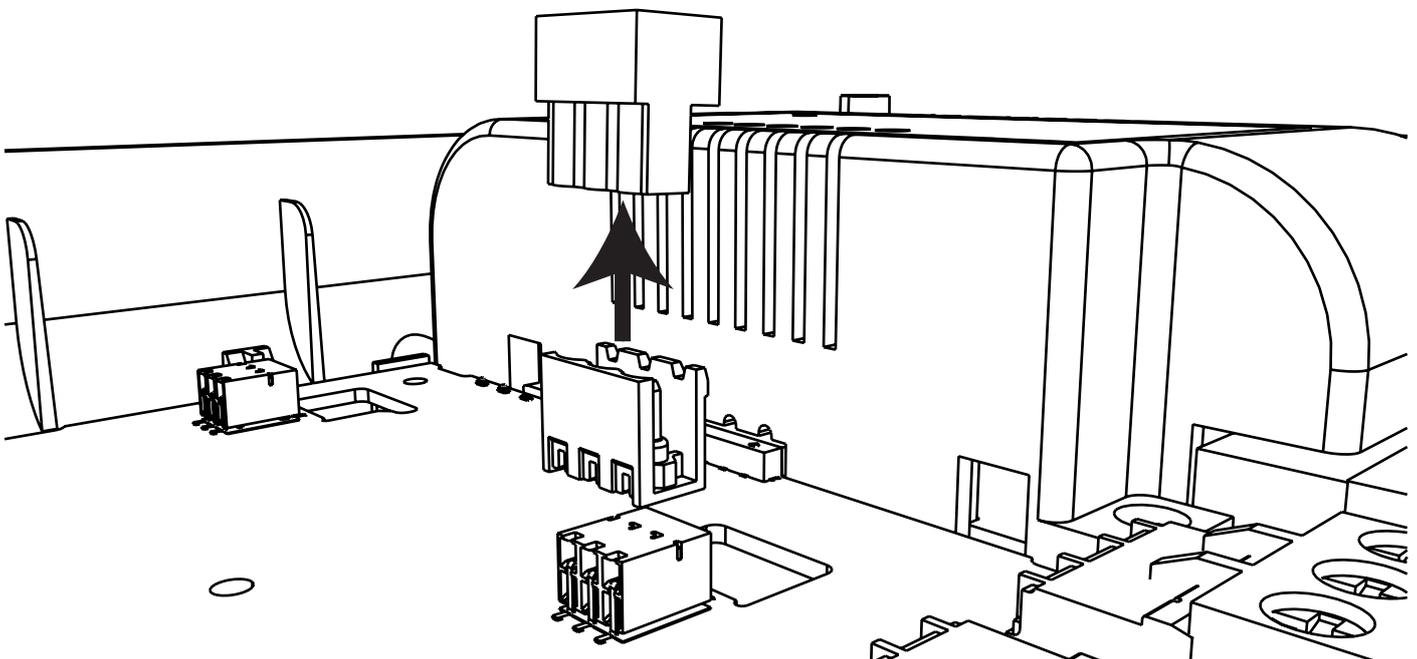
Remove the battery

- Carefully disconnect and remove the battery.
- The battery should be kept in a safe place and protected against short circuit.



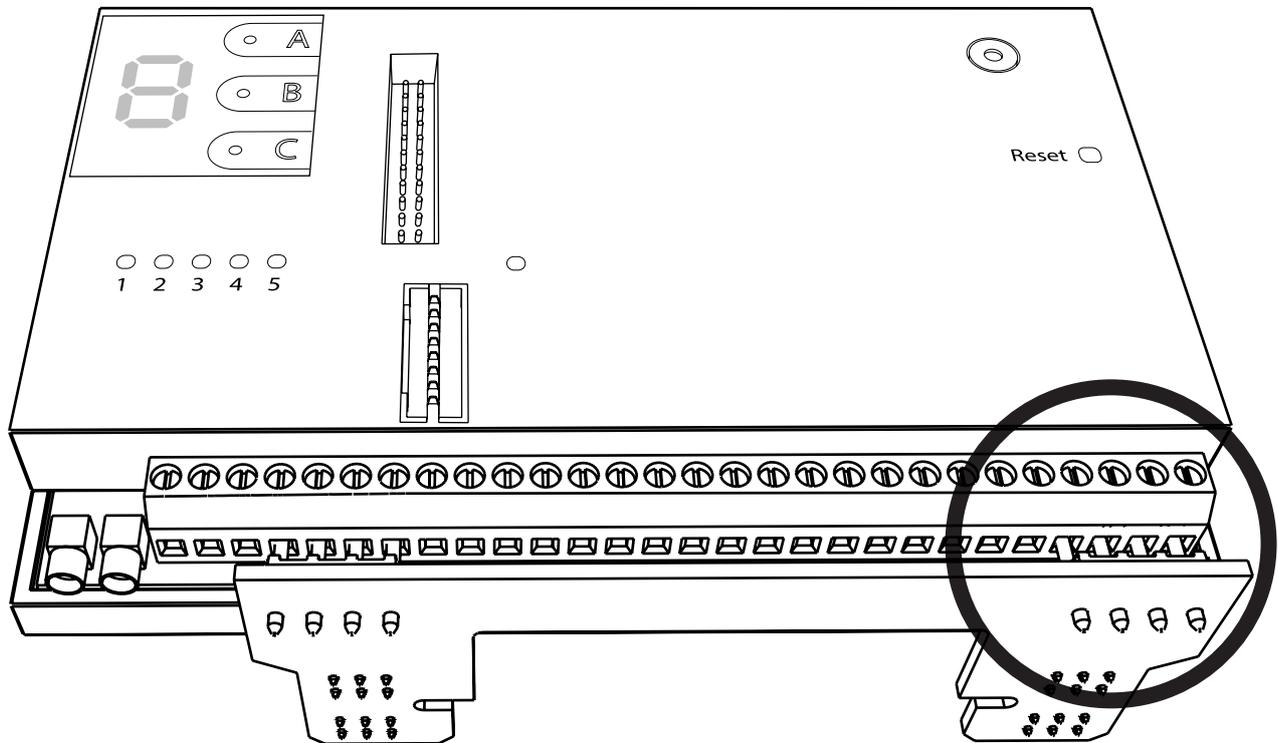
Remove the terminal block

- Carefully remove the terminal block as shown.

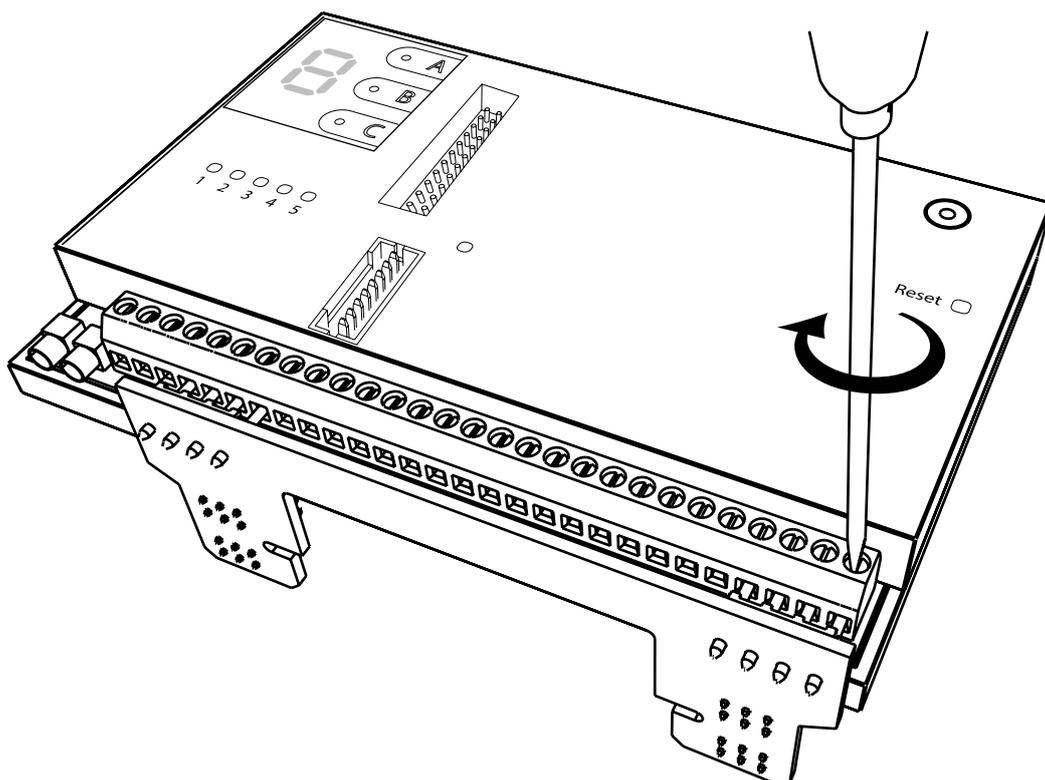


Connect the riser card

- Carefully fit the riser card's pins into the communications module's terminal connections, ensuring the pins are aligned to the right-hand side as shown.

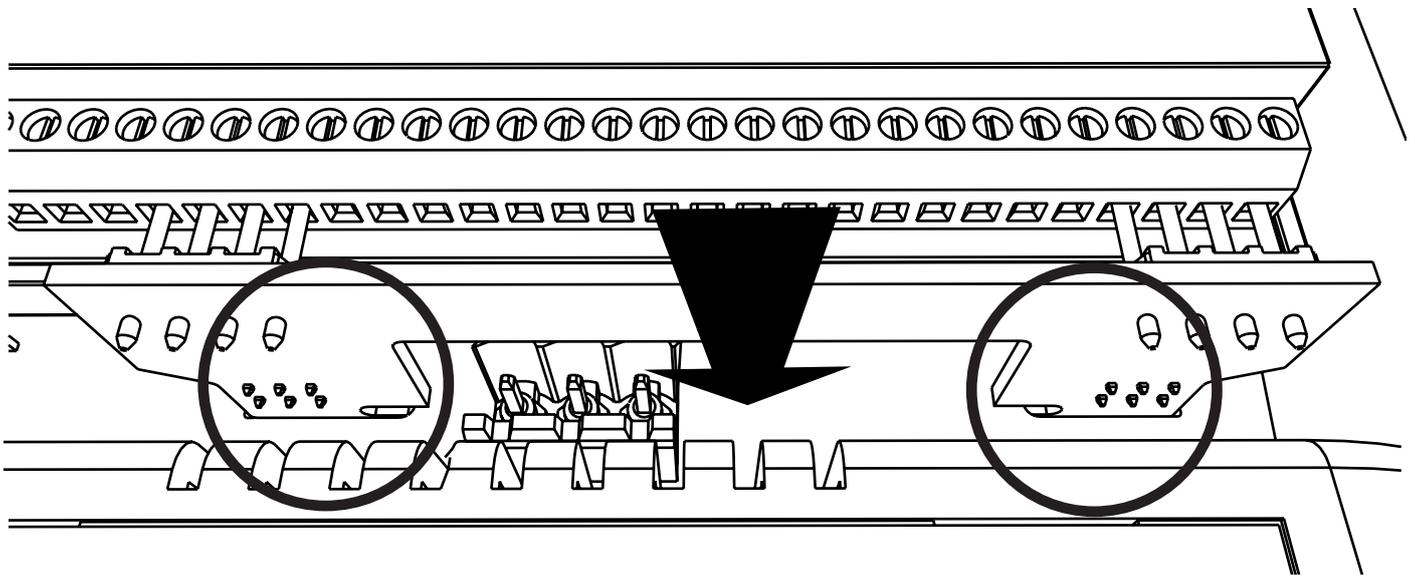


- Ensure all pins are pushed in fully, and tighten the terminal connection's screws to ensure a firm fixing.

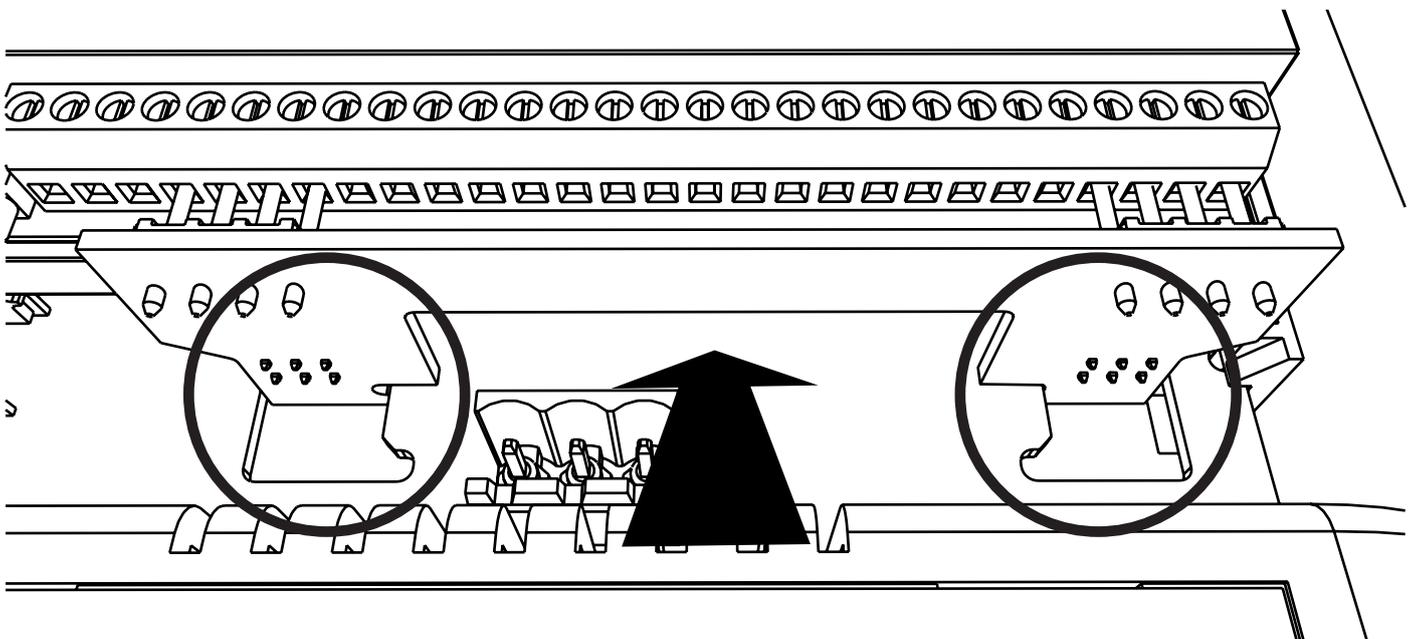


Fit the communications module

- Lower the riser card into the PCB's riser retaining slots as shown.



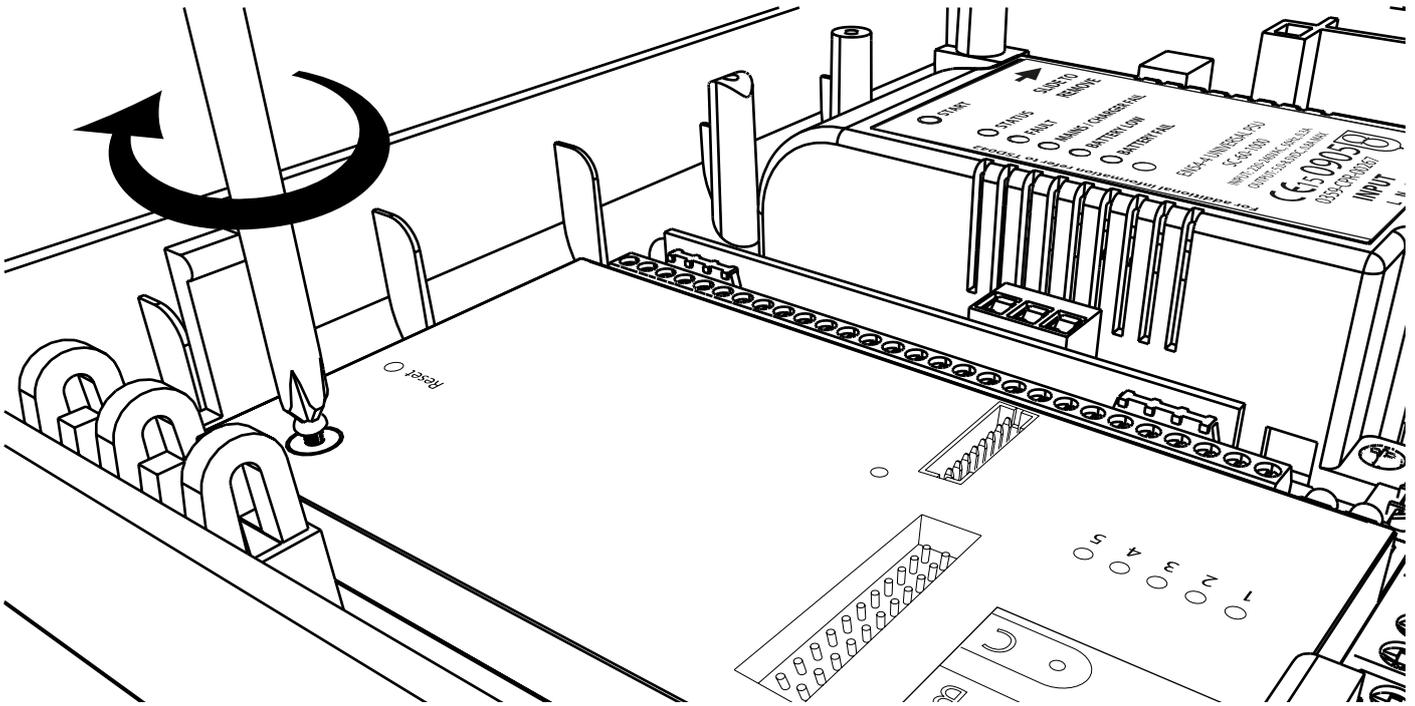
- Slide the riser card in place as shown.



- Secure the communications module in place using the supplied captive screw as shown.

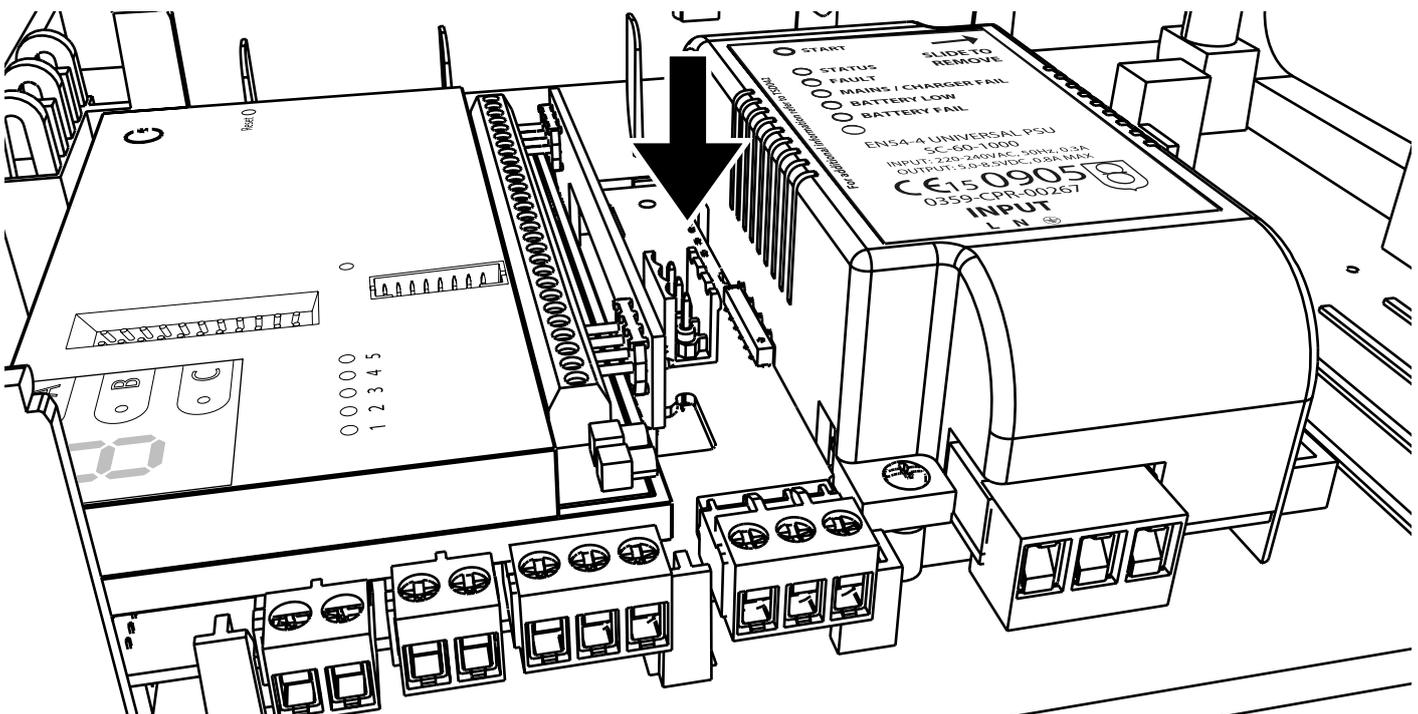


Do not overtighten.



Replace the terminal block

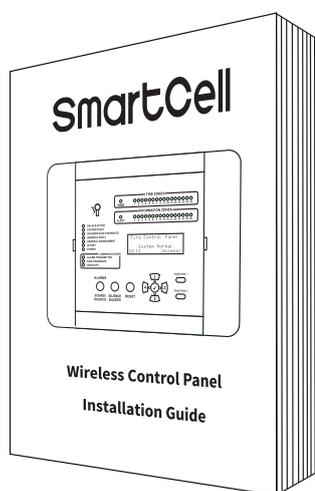
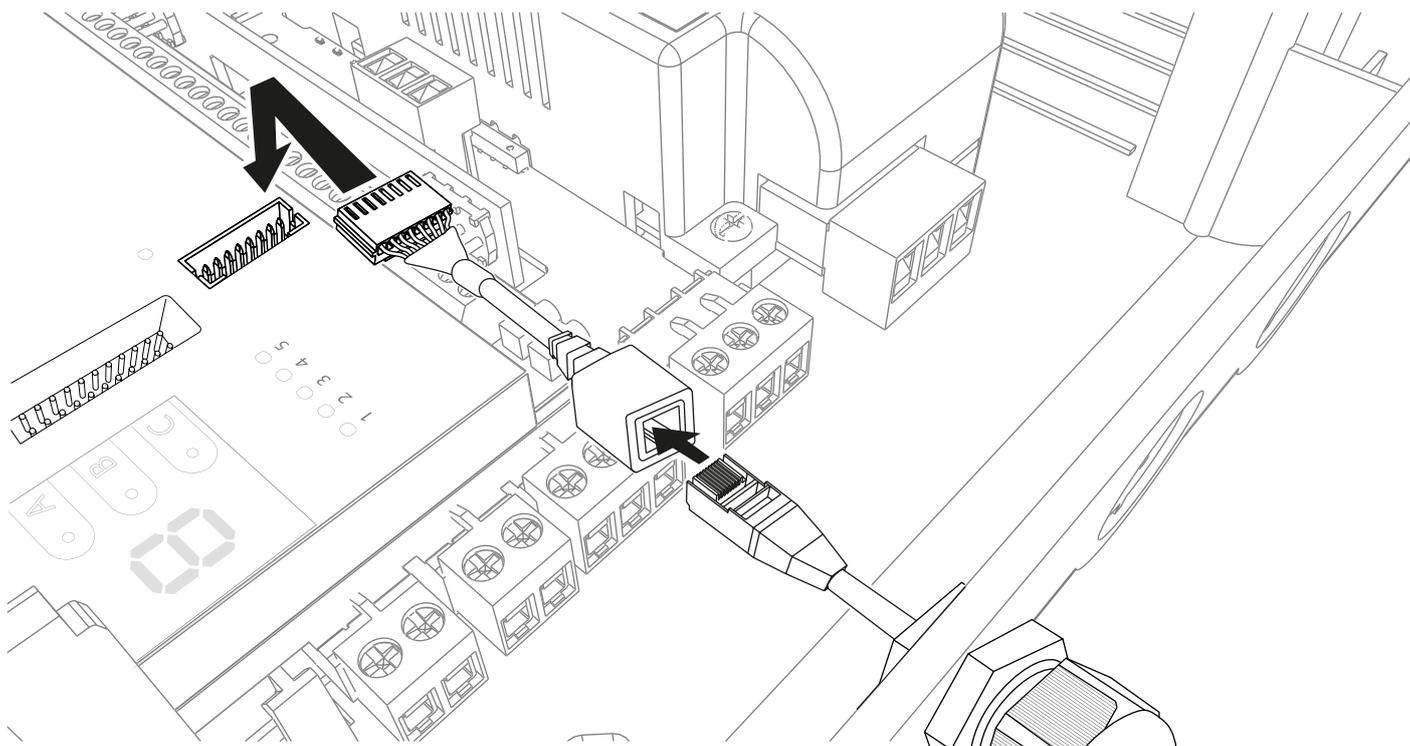
- Carefully replace the terminal block as shown.



Ethernet connection

SKIP THIS STEP IF USING SINGLE PATH COMMUNICATION ONLY VIA 4G CONNECTION.

- The Ethernet connection must be made via the LAN adaptor, as shown.

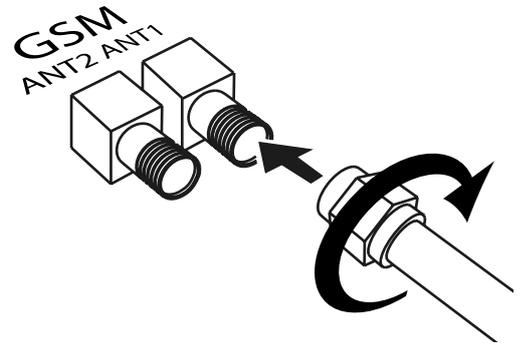


Refer to the SmartCell installation guide (TSD120) for cable entry points.

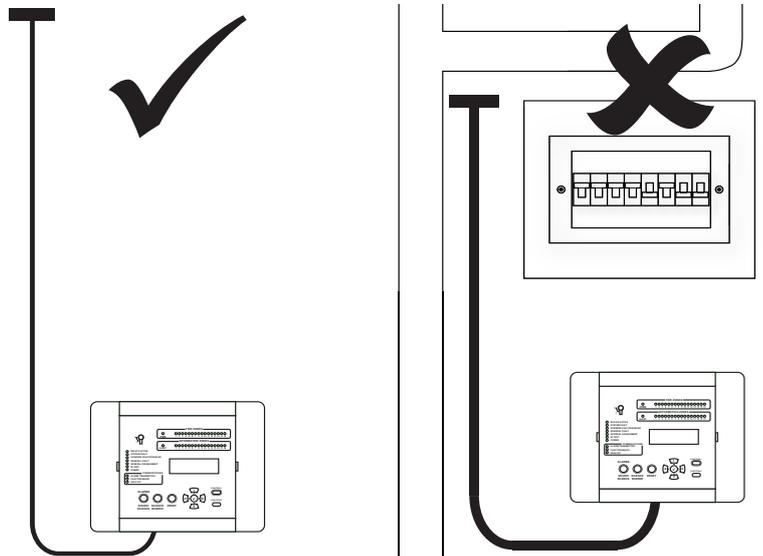
Back-up 4G connection

SKIP THIS STEP IF USING SINGLE PATH COMMUNICATION ONLY VIA ETHERNET CONNECTION.

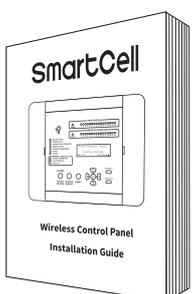
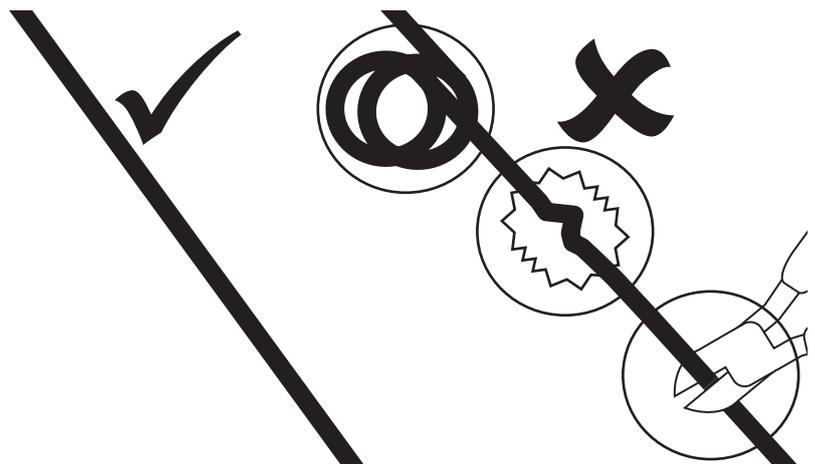
- The approved T-bar aerial must be used and connected to the ANT1 connection.



- Mount the aerial away from electrical conduits / equipment & wireless products (including the control panel).



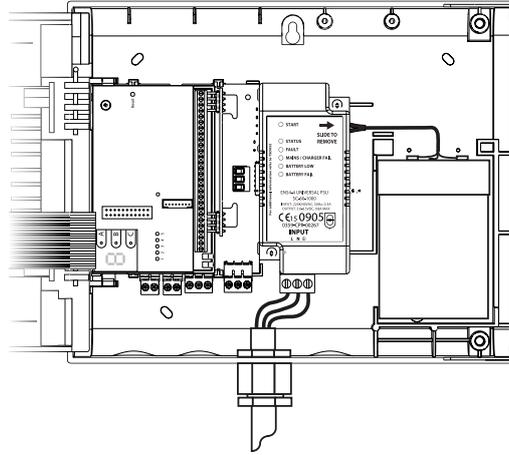
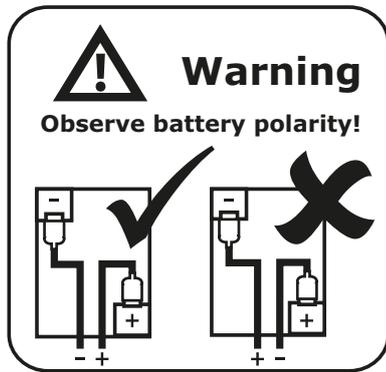
- Do not coil, crush or shorten the aerial's cable.



Refer to the SmartCell installation guide (TSD120) for cable entry points.

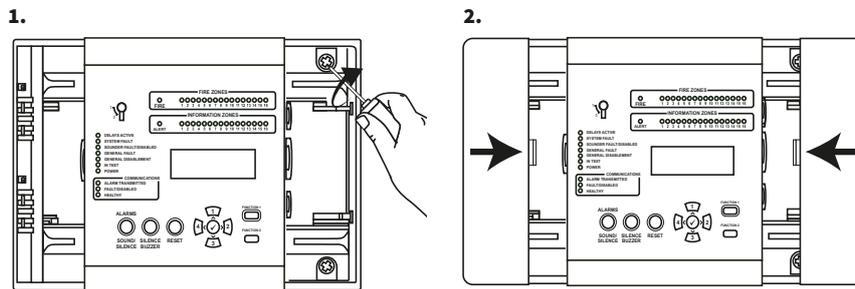
Fit the back-up battery

- Fit the control panel battery, observing the correct polarity.



Close the control panel

- Reassemble the control panel.



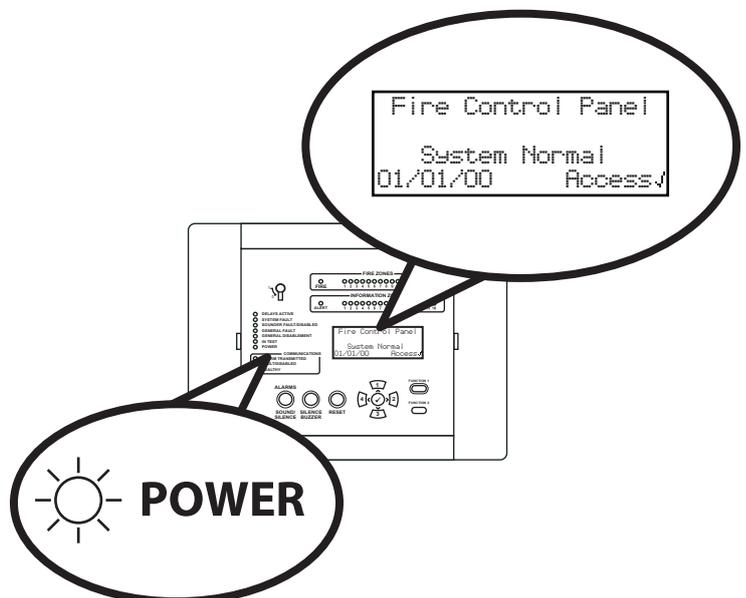
Apply power

- Apply power to the control panel.

• The green power LED will illuminate.

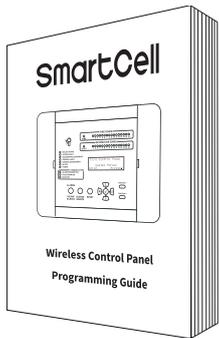
• All other LEDs should be extinguished.

• The screen should also display 'System Normal'.



Connect to SmartCell Services

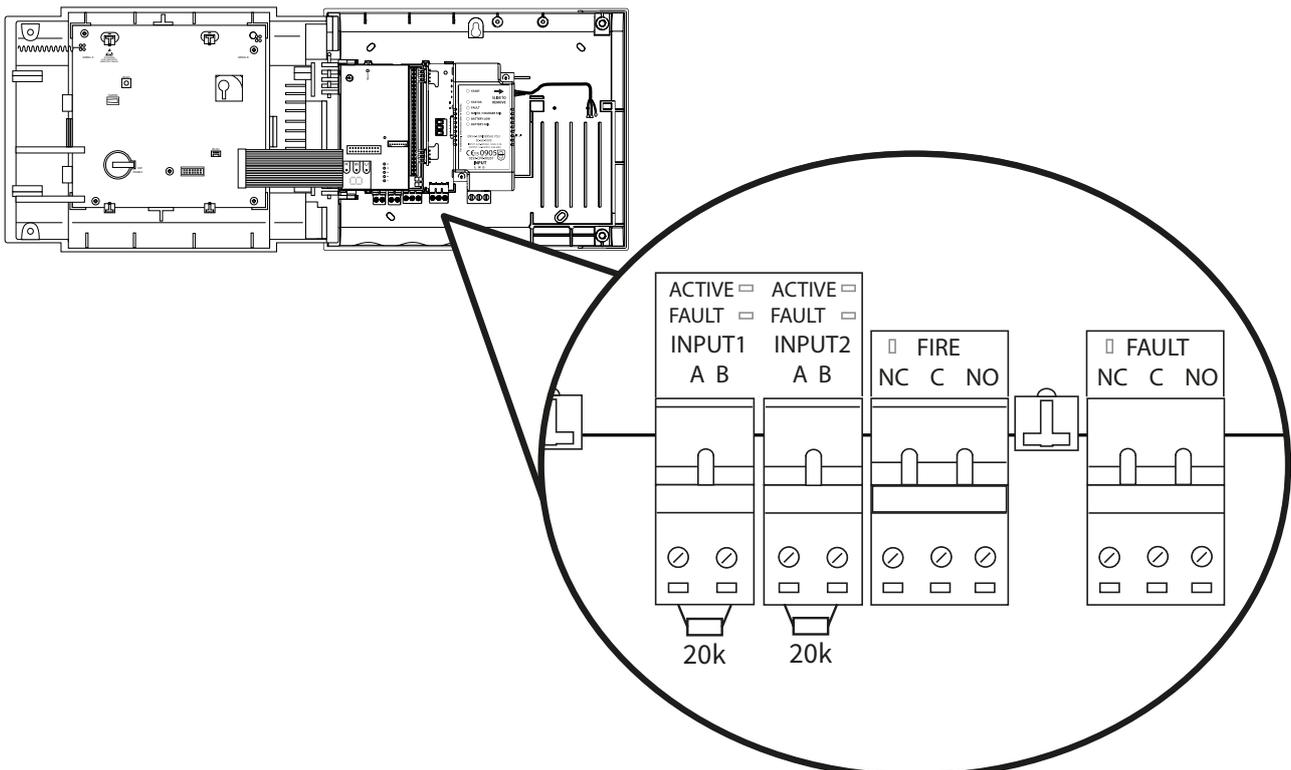
- Visit mysmartcell.com to register for SmartCell Services.



Refer to the SmartCell programming guide (TSD155) for full details on configuring SmartCell Services.

Input and output markings

- Internal fitting of the communications module will cover the input and output markings on the back board. Markings are shown below.



Specification

Power requirements	6 VDC (<i>from control panel</i>)
Transmission	Ethernet & GSM/GPRS (<i>cellular</i>)
Antenna type	T-Bar c/w 3 m cable
Dimensions (W x H x D)	100 x 90 x 5 mm
Location	Indoor use only (<i>inside control panel</i>)

Regulatory information

Manufacturing location	CSL DualCom ltd. Building 4, Croxley Park, Hatters Lane, Watford, WD18 8YF
Placed on the market by	Carrier Fire and Security
Certification	 
DoP number	2544-CPR-30814-F01-21
Approved to	EN54-21:2006. Fire detection and alarm systems. Part 21: alarm transmission and fault warning routing equipment.
Description of construction product	Dual path alarm transmission and fault warning routing equipment for connection with SmartCell fire alarm control panels

European Union directives

CSL declares that this device is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
www.csl-group.com



2012/19/EU (*WEEE directive*): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see www.recyclethis.info

Dispose of your batteries in an environmentally friendly manner according to your local regulations.

SmartCell

www.mysmartcell.com