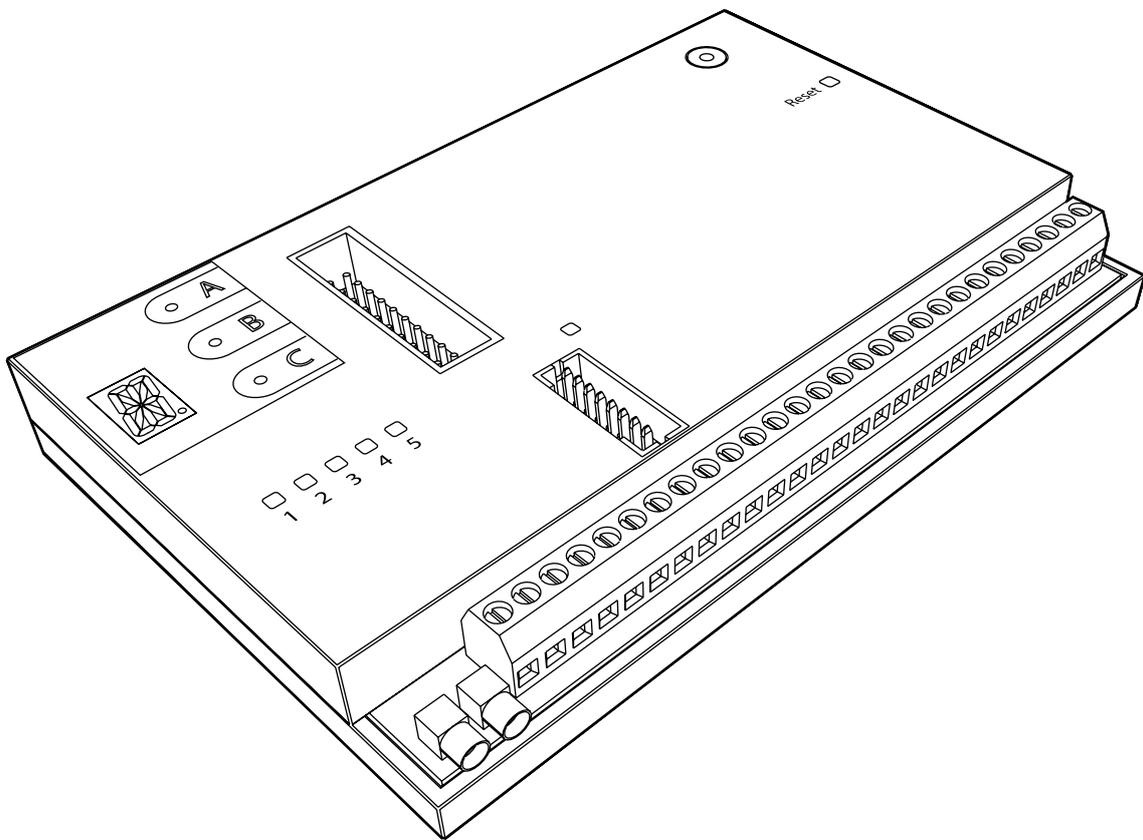


SmartCell



Internal Communications Module Upgrade & Setup Guide

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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 guide must be carefully followed.

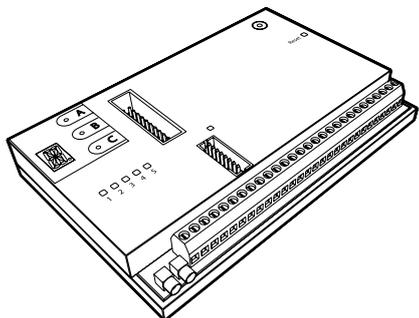


This device contains electronics that may be susceptible to damage from Electrostatic Discharge (*ESD*). Take appropriate precautions when handling electronic boards.

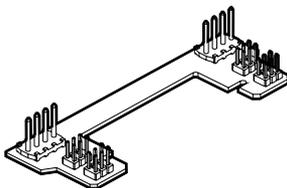


To ensure correct operation, products must be used within the specified environmental operating conditions.

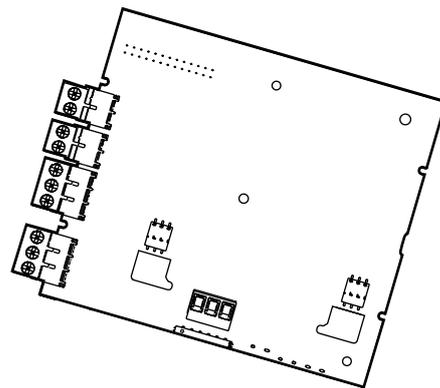
Components



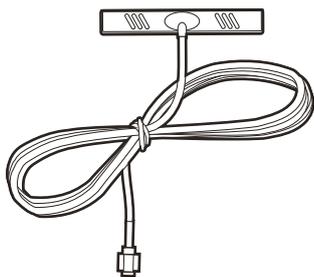
Communications module



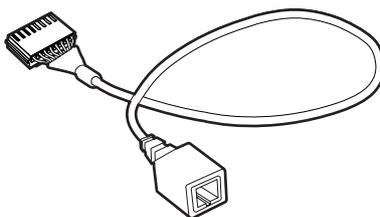
Riser card



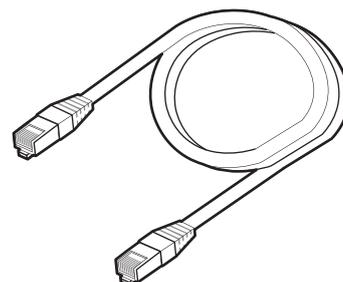
Interface board



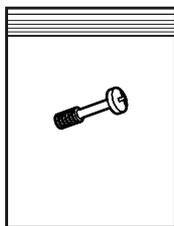
GSM antenna



LAN adapter cable



Ethernet cable



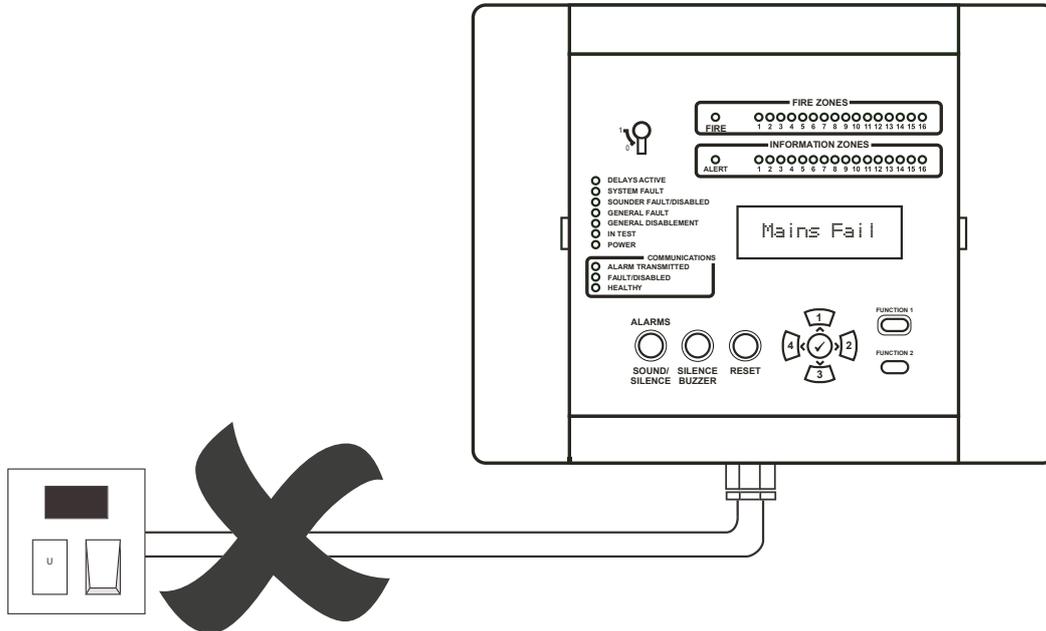
Communications module fixing screw



SmartCell Services registration card

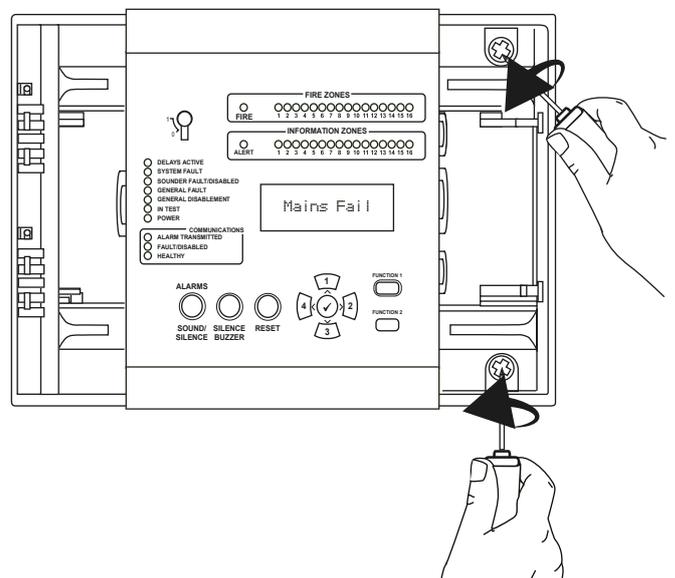
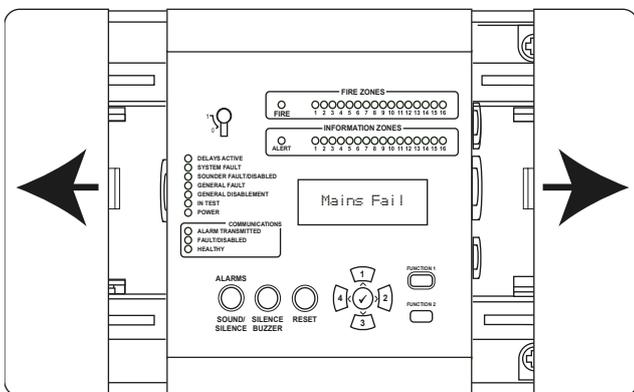
Disconnect the mains supply

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



Open the control panel

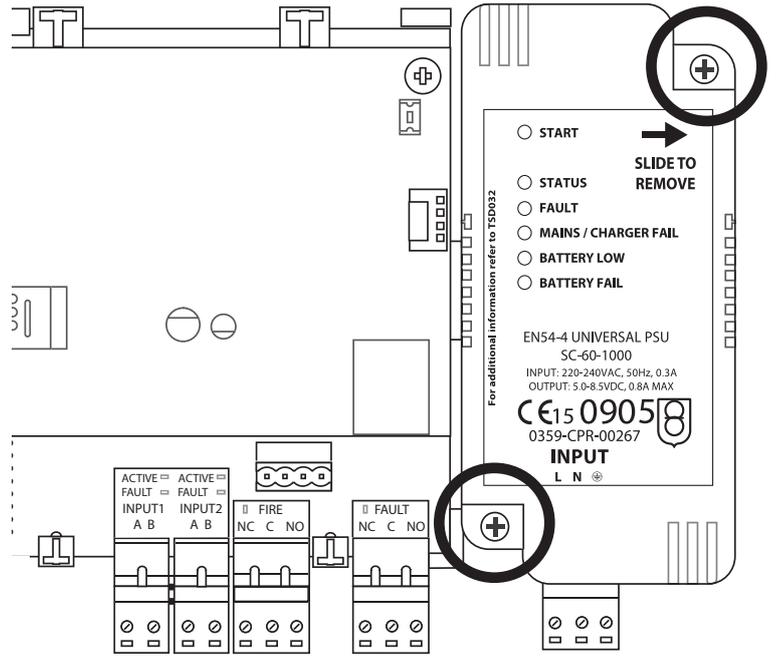
- Unclip the side panels.
- Loosen the two screws and open the door.



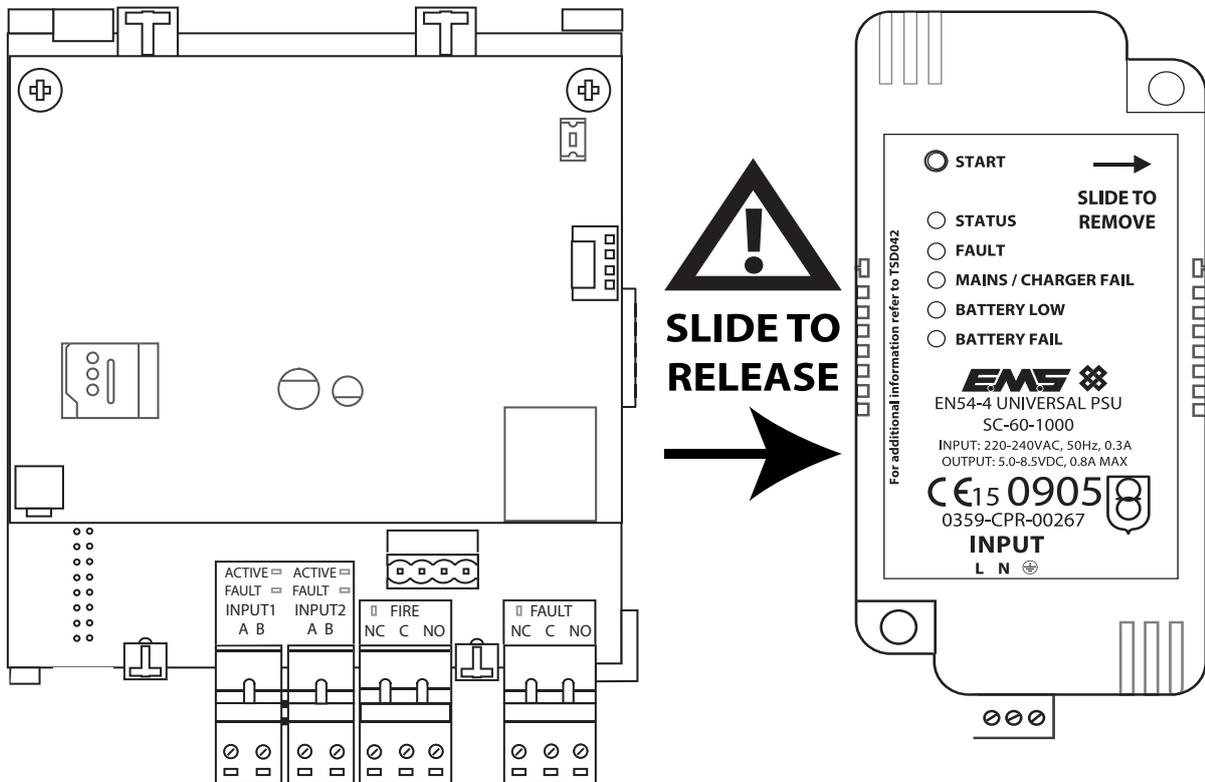
Remove the PSU

- Unscrew the PSU's two fixing screws.
- Keep them in a safe place, if removing a 24 VDC PSU.

NOTE: 230 VAC PSU VARIANT SHOWN

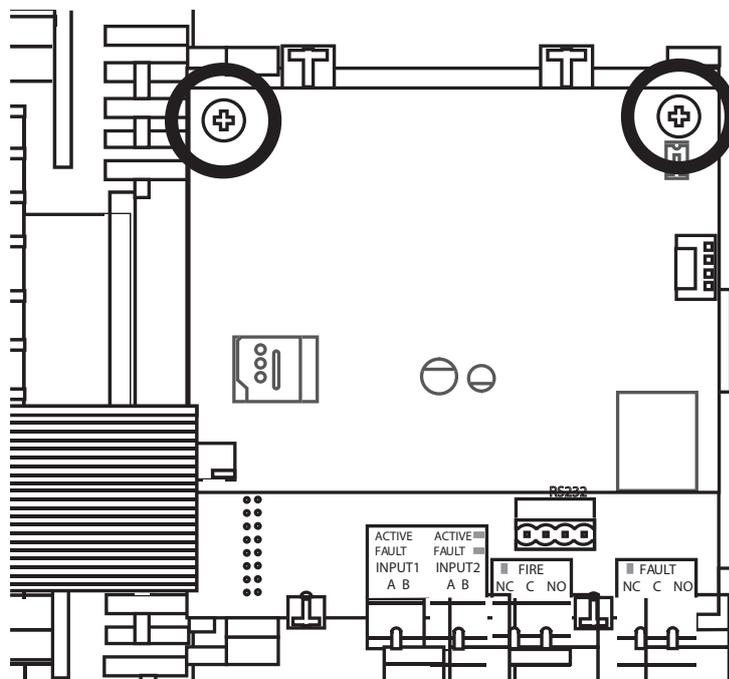


- Carefully remove the PSU, by sliding it away from the PCB as shown.

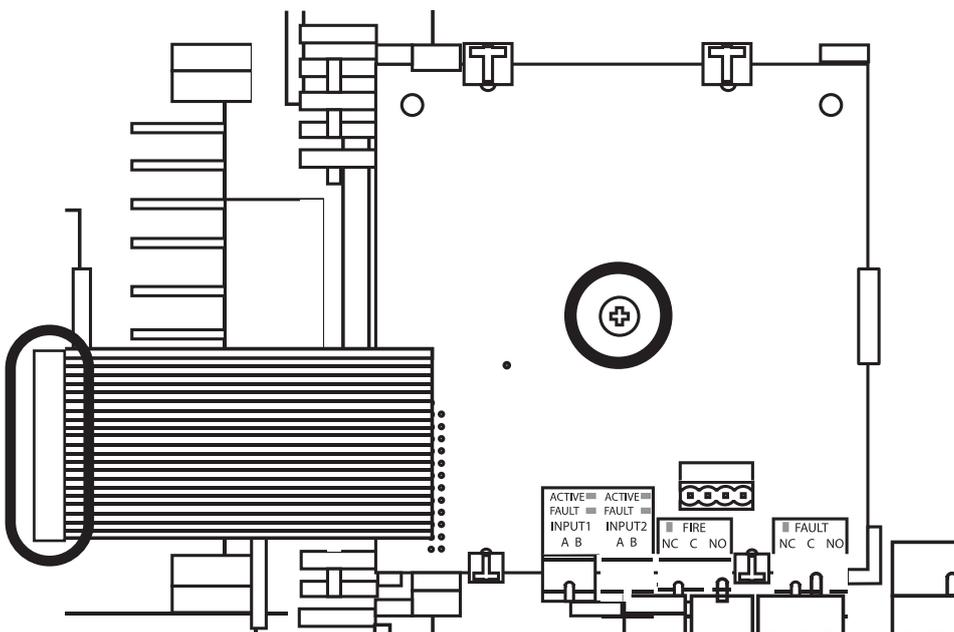


Remove the interface board

- If fitted, remove the existing communications module by removing the two screws.
- Next, remove the two newly exposed 7mm nuts.

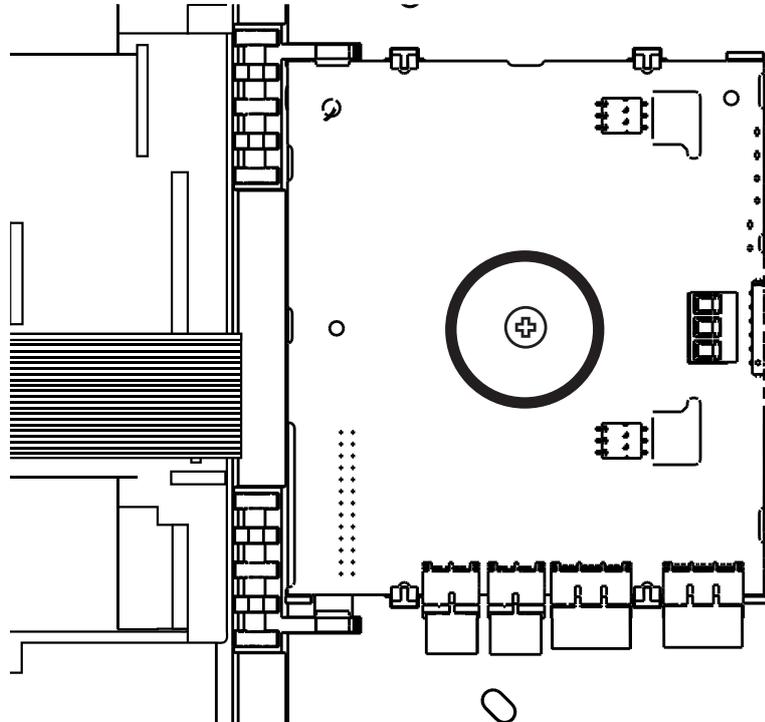


- Disconnect the ribbon cable.
- Remove the interface board fixing screw and carefully unclip the interface board.

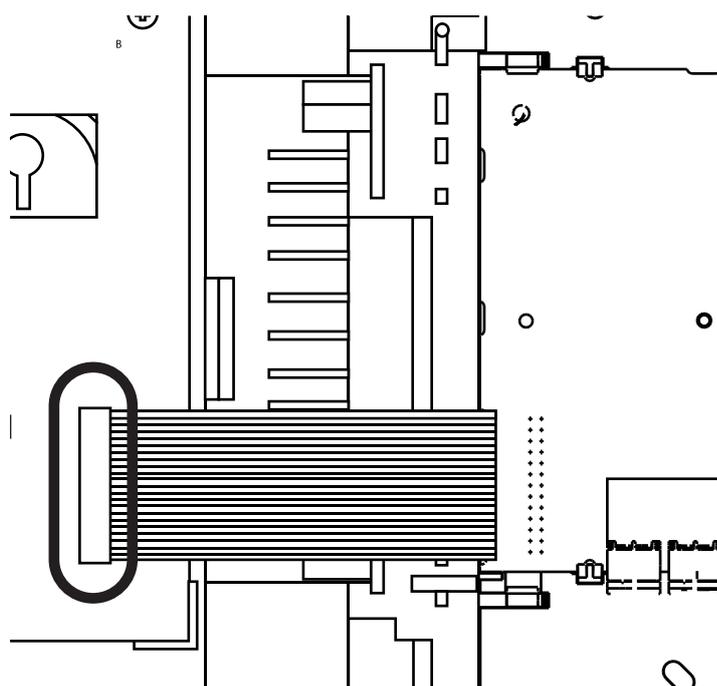


Fit new interface board

- Carefully clip the new interface board into place and secure it with the interface board fixing screw.

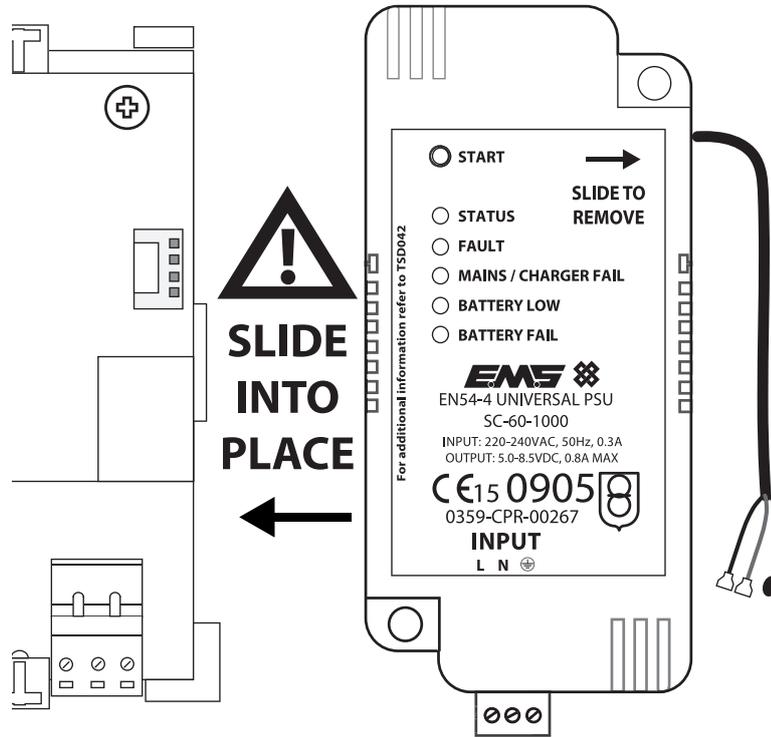


- Connect the ribbon cable.

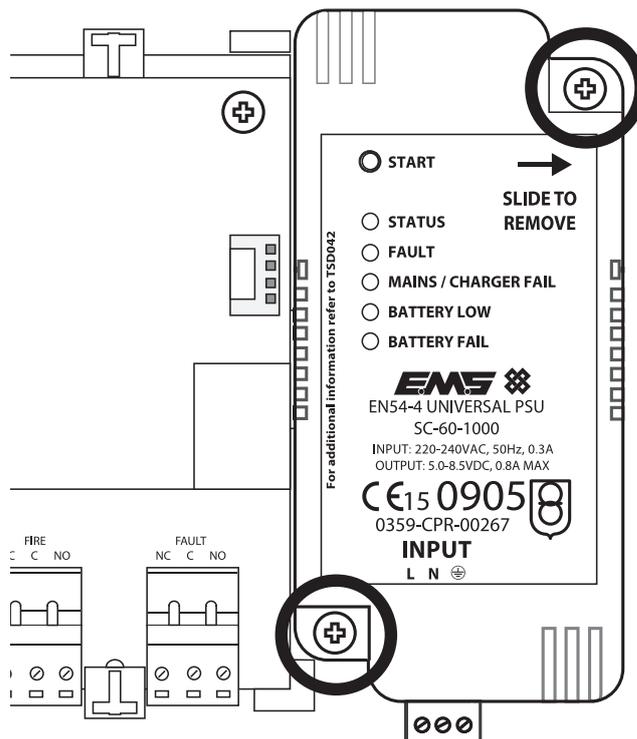


Fit PSU

- Slide the PSU into position.

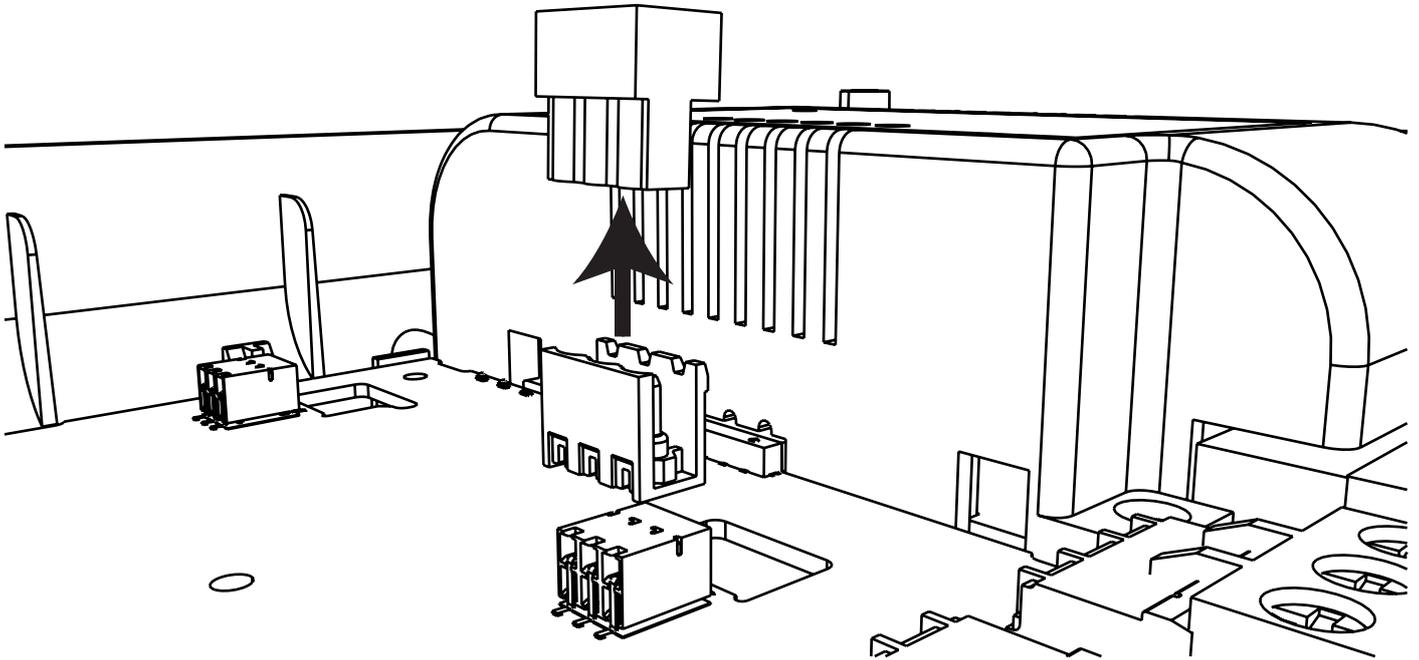


- Secure it into place.



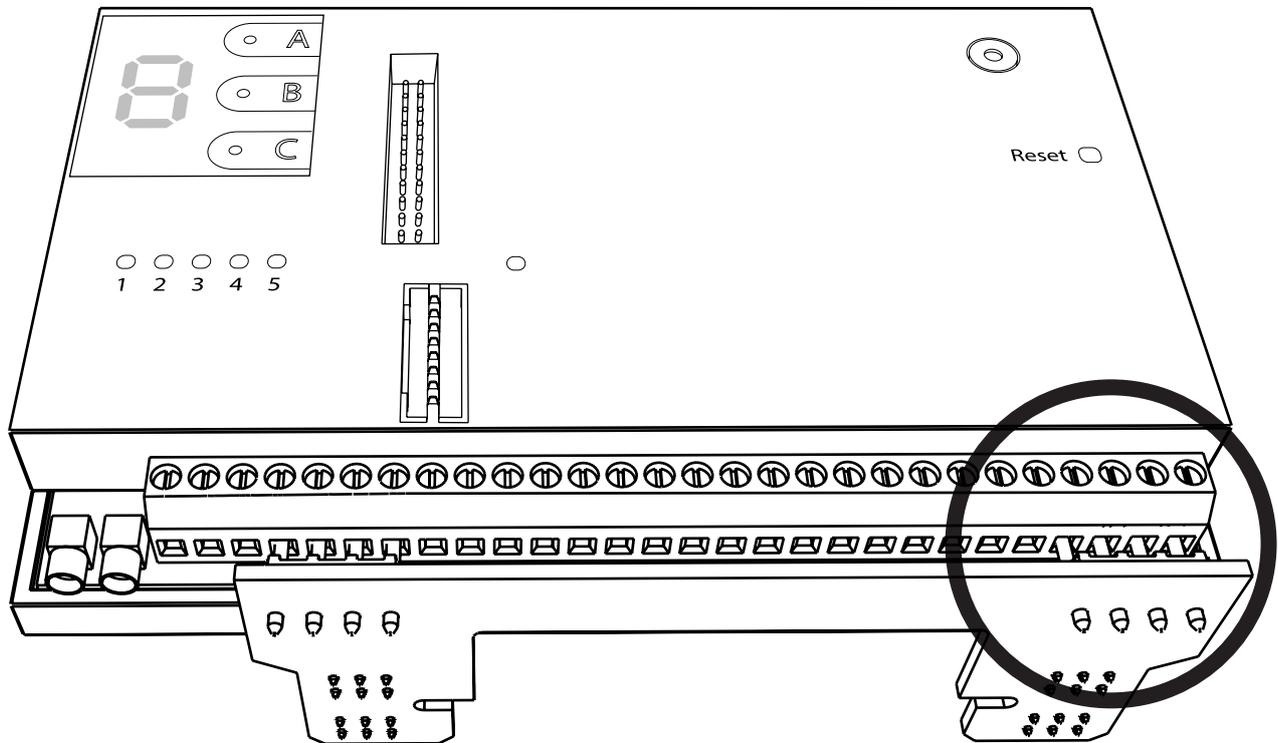
Remove the terminal block

- Carefully remove the terminal block as shown.

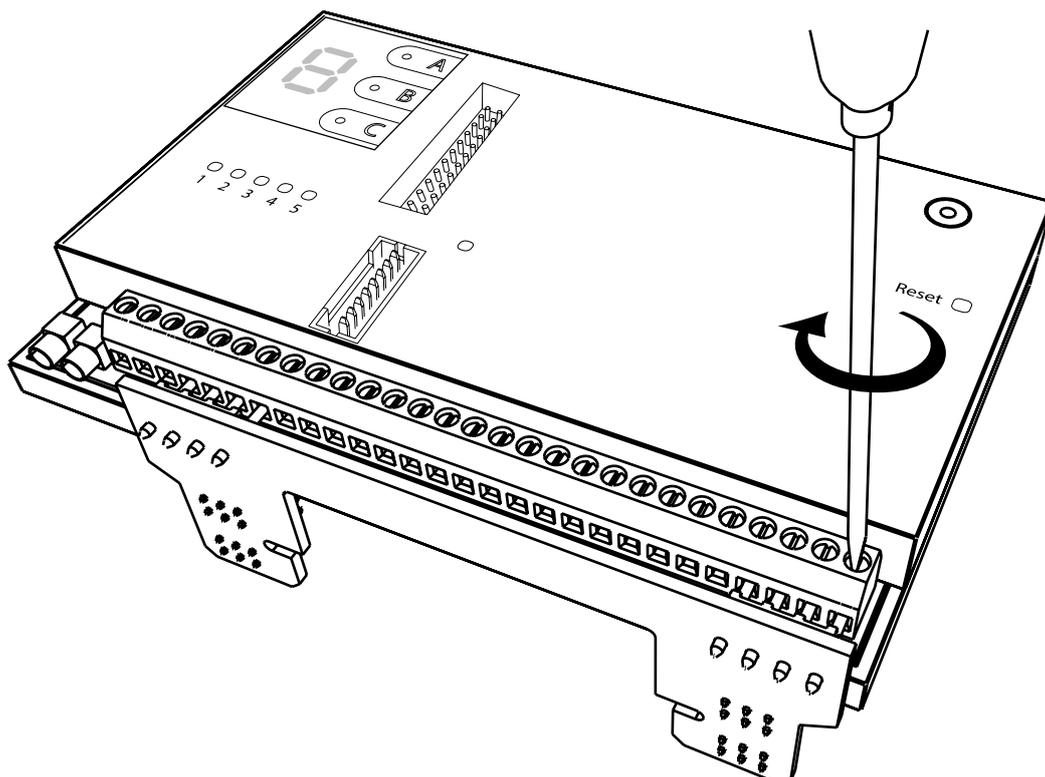


Connect the riser card

- 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.

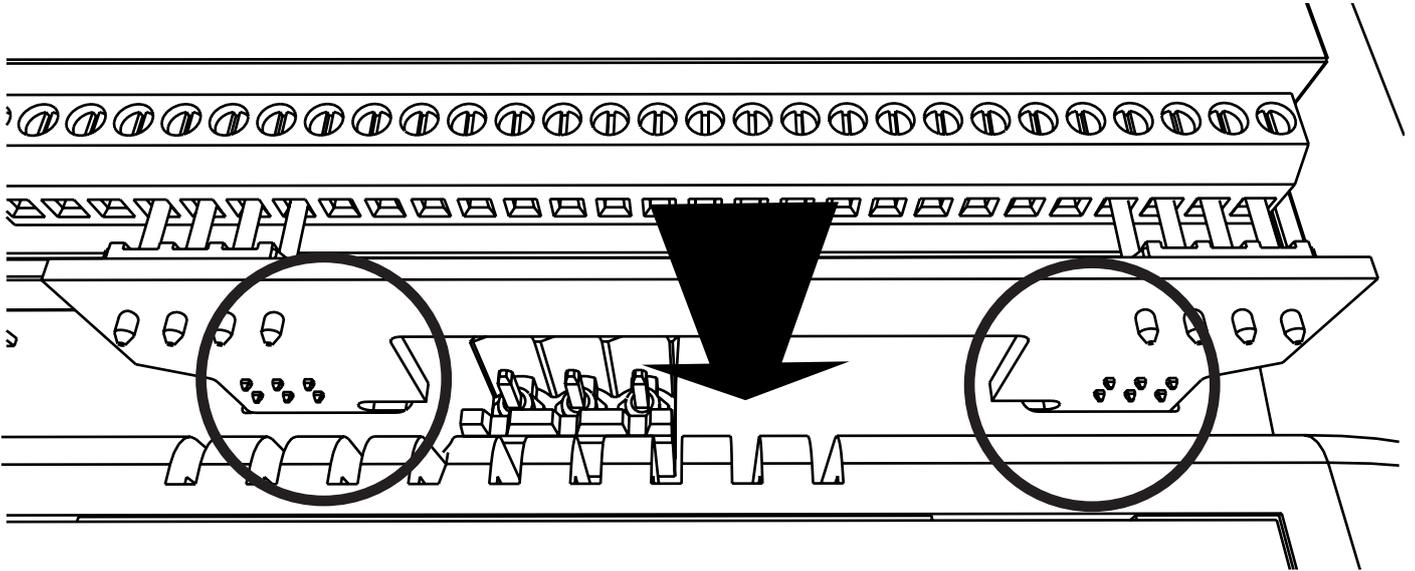


- Ensure all pins are pushed in fully, and tighten the terminal connection's screws to ensure a firm fixing.

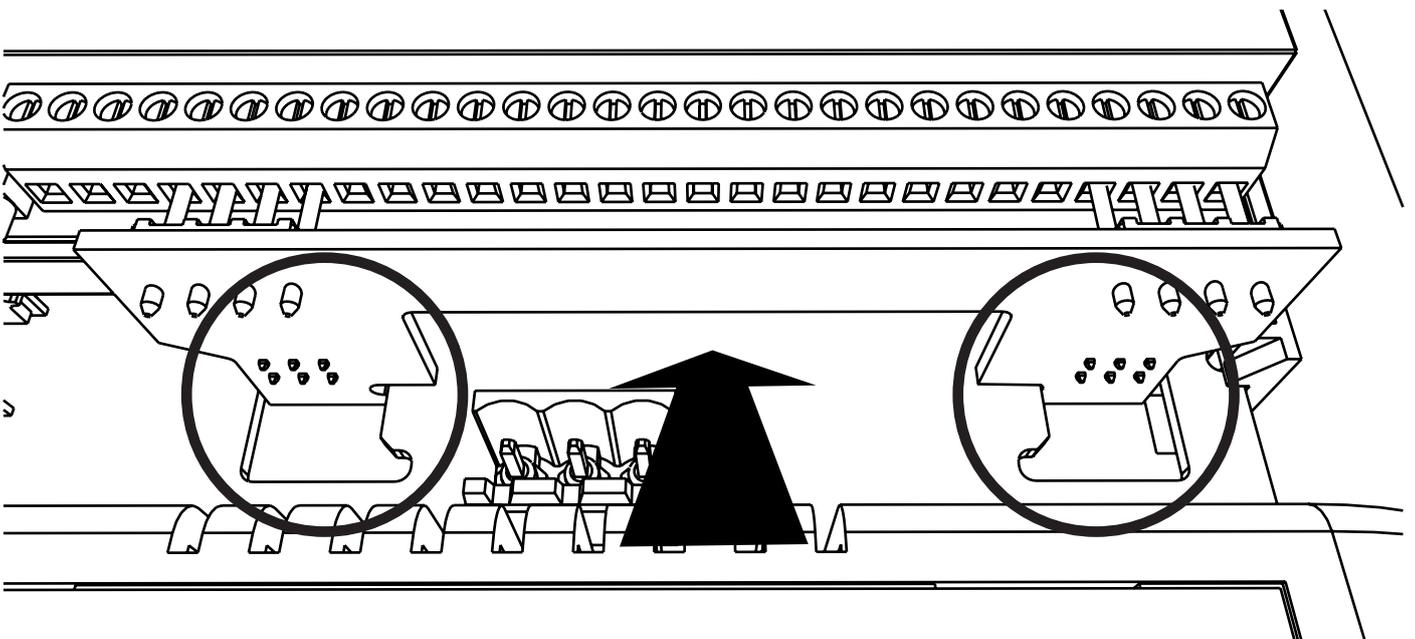


Fit the communications module

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



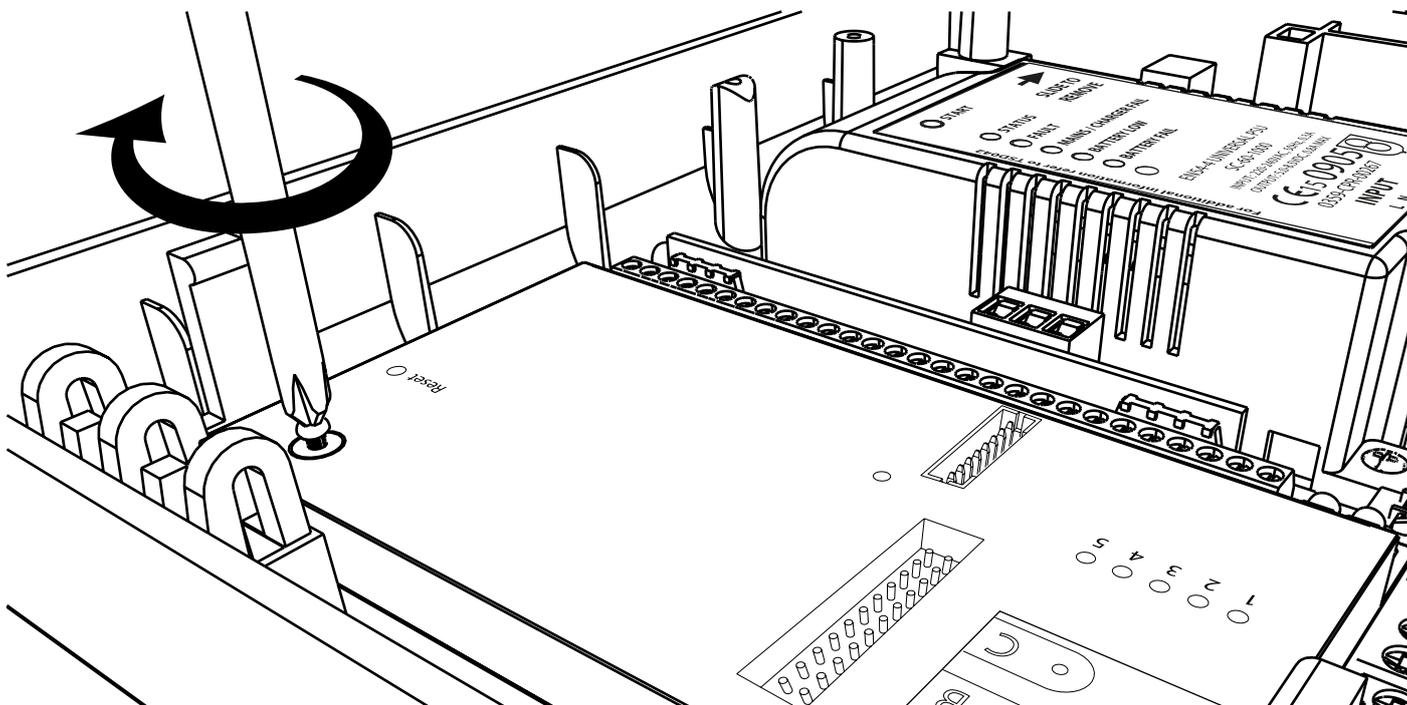
- Slide the riser card in place as shown.



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

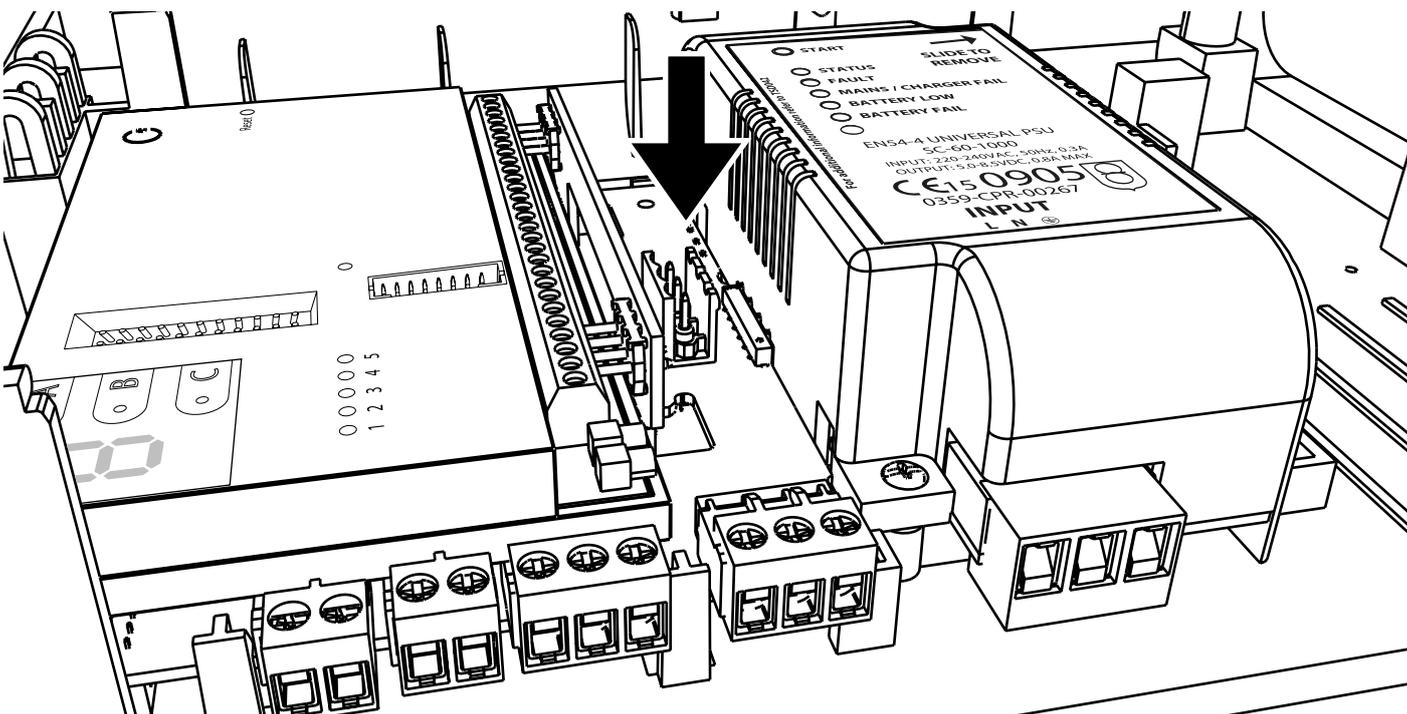


Do not overtighten.



Replace the terminal block

- Carefully replace the terminal block as shown.

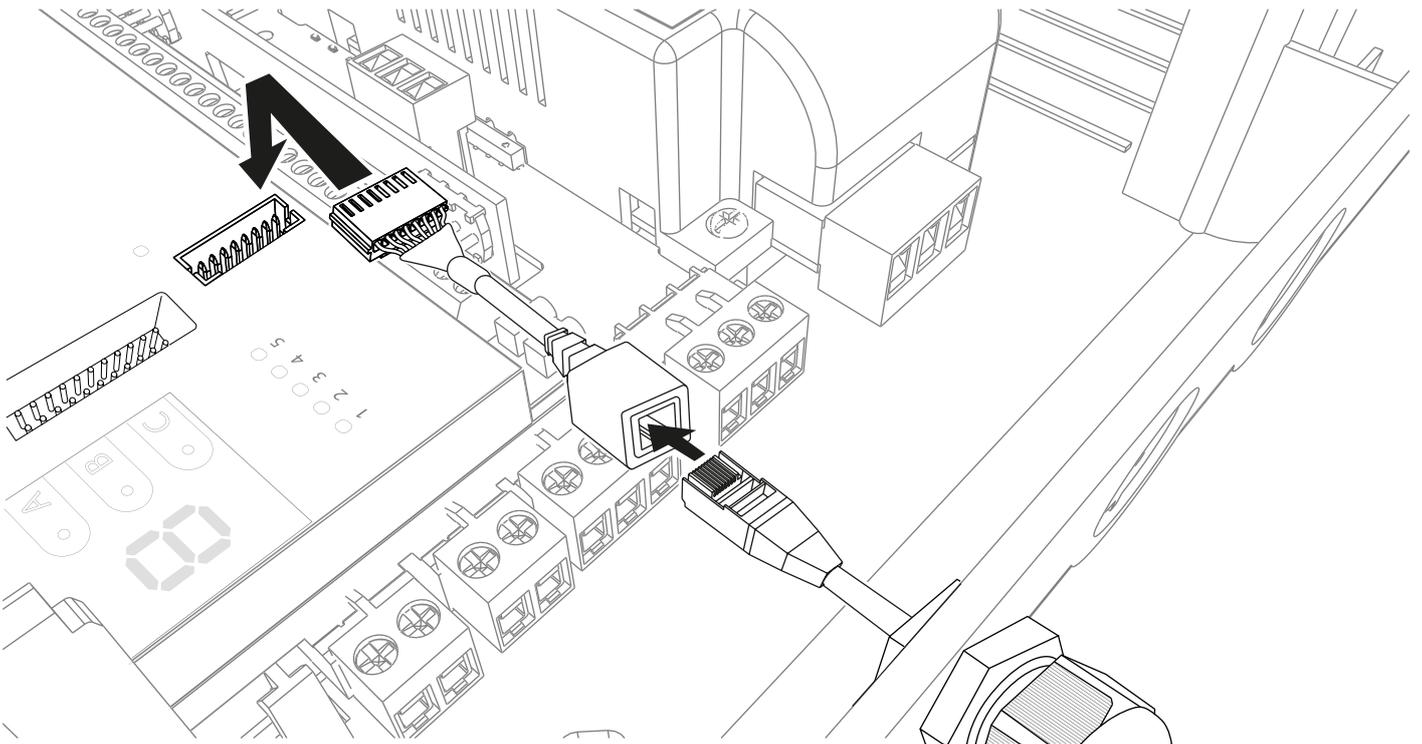


Ethernet connection

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

- Re-connect the Ethernet connection.

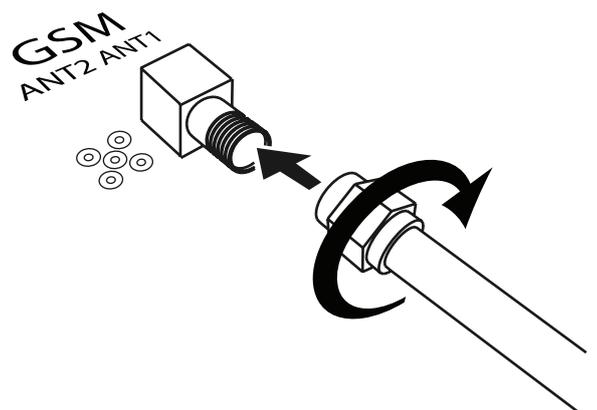
The Ethernet connection must be made via the LAN adaptor, as shown.



Back-up 4G connection

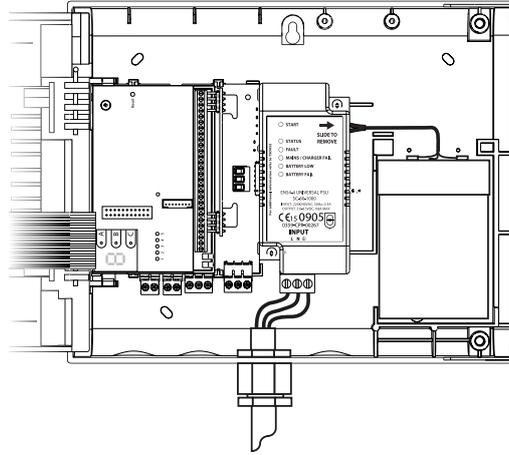
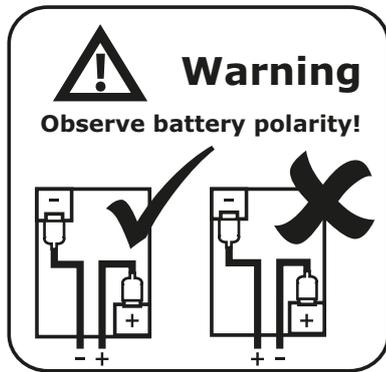
SKIP THIS STEP IF USING SINGLE PATH COMMUNICATION ONLY VIA ETHERNET CONNECTION.

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



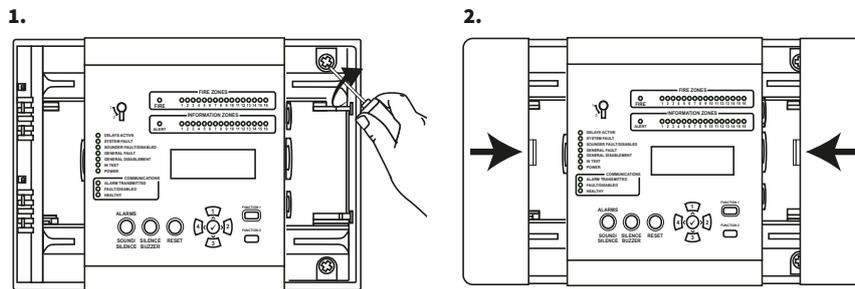
Fit the back-up battery

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



Close the control panel

- Reassemble the control panel.



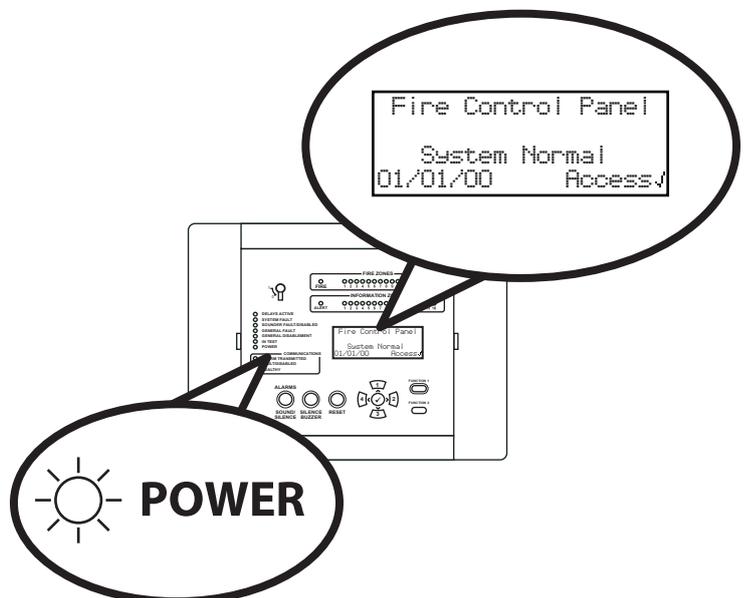
Apply power

- 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'.



Reset SPT

The following steps are required to reset the SPT.

With the SmartCell control panel in its normal state (enable key in the OFF position), the screen will display:

```
Fire Control Panel
          System Normal
14:18           Access ✓
```

Press the  button and the screen will display:

```
For Access
Enter Code: _

Press ✓ To Complete
```

Enter the Factory Access PIN code (default '44444444'), then press the  button to confirm. The screen will display:

```
* Welcome Factory *
  Access Level 4
  Now Available
All Buttons Active
```

Followed by:

```
*Factory Access
  Logout
◊
```

Press the  button and the screen will display:

```
*View Firmware
  Upgrade Firmware
  Edit Factory Code
  Rapid Messasins ◊
```

Press the  button until the screen displays:

```
Rapid Messasins
  Firmware Options
  Factory Reset
→Reset SPT ◊
```

Press the  button and the screen will display:

```
→Internal Comms
  External Comms
◊
```

Press the  button and the screen will display:

```
Clearing SPT
Started
.....
```

Followed by:

Press the  button and the screen will display:

```
Rapid Messasins
Firmware Options
Factory Reset
→Reset SPT
```

Press the  button and the screen will display:

```
→Factory Access
Logout
```

Press the  button and the screen will display:

```
Factory Access
→Logout
```

```
Fire Control Panel

System Normal
14:18 Access ✓
```

Create account

With the SmartCell control panel in its normal state (enable key in the OFF position), the screen will display:

Press the  button and the screen will display:

Enter the engineer PIN code (default '333333'), then press the  button to confirm. The screen will display:

Followed by:

Press the  button until the screen displays:

Press the  button and the screen will display:

Press the  button until the screen displays:

Press the  button and the screen will display:

```
Fire Control Panel
System Normal
14:18 Access ✓
```

```
For Access
Enter Code: _
Press ✓ To Complete
```

```
* Welcome Service *
Access Level 3
Now Available
All Buttons Active
```

```
*View System Status
Enable/Disablenents
Maintenance/Test
Device Options ◊
```

```
*Panel Information
Lansuase Select
Factory Access
Reports ◊
```

```
*Passwords
Panel Options
System Options
Communication ◊
```

```
Passwords
Panel Options
System Options
*Communication ◊
```

```
*Read/Write USB
Remote Access
H/W Communicator ◊
```

Press the  button until the screen displays:

```
Read/Write USB
+Remote Access
H/W Communicator
◇
```

Press the  button and the screen will display:

```
+Remote Access ON
✓ Continue Change >
```

Press the  button and the screen will display:

```
+Internal Comms
External Comms
◇
```

Press the  button and the screen will display:

```
+View Status
Edit Options
Account settinas
◇
```

Press the  button until the screen displays:

```
View Status
Edit Options
+Account settinas
◇
```

Press the  button and the screen will display:

```
+Create Account
View Settinas
Edit Settinas
◇
```

Press the  button and the screen will show a list of available alarm receiving centres. If connection to an alarm receiving centre is not required, 'Services Only' can also be selected to initiate SmartCell Services:

```
+Services Only
Action24
Alarmmeldnet
ChubbParsi
```

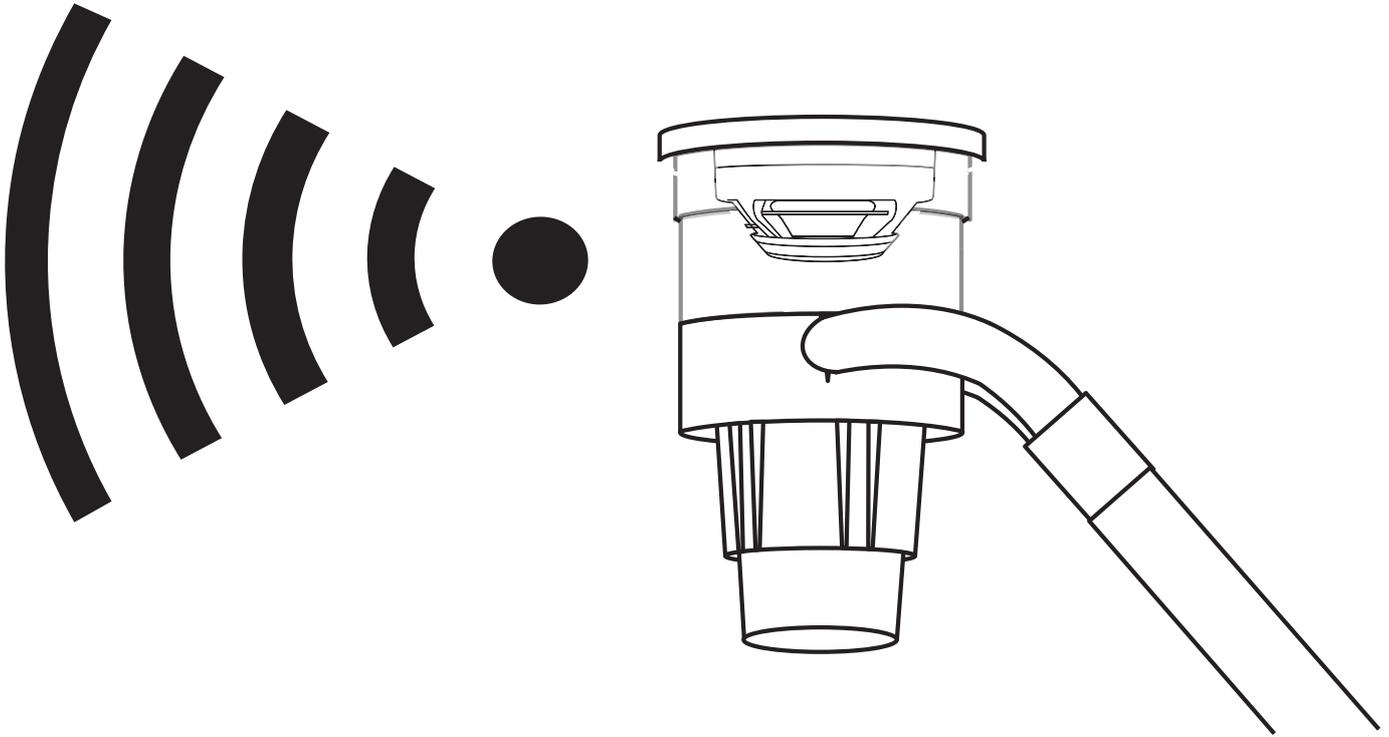
Note: care must be taken to select the correct option.

Press the  button and the screen will request confirmation as shown:

```
Services Only
Are You Sure?
✓ Continue < Exit
```

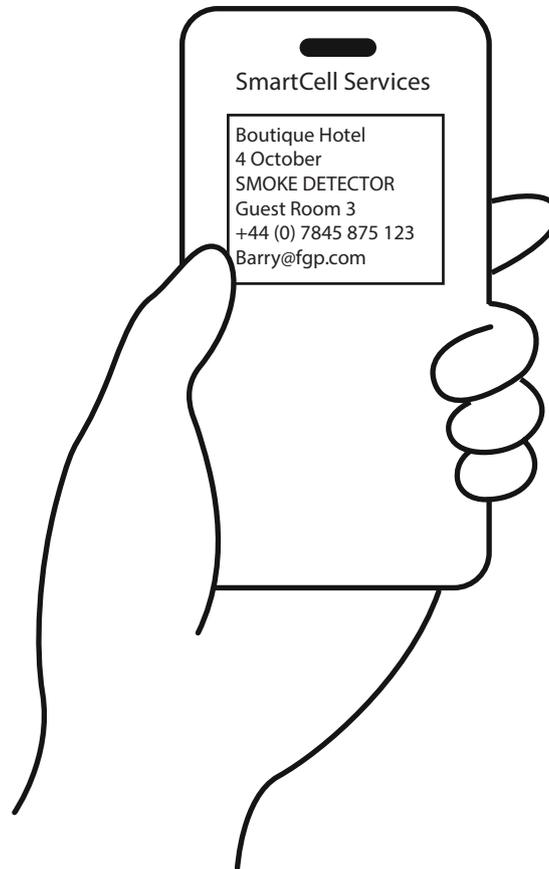

Test system

It is recommended to test the system to ensure correct functionality.



Check notifications

Check that notifications are received to ensure SmartCell Services is fully operational.



SmartCell

www.mysmartcell.com