Installing RS485 Interface Module PCB

The RS485 Interface Module PCB kit (020-553) is fitted in the panel to provide an interface for the RS485 Communications Link. The RS485 Interface Module PCB mounts on the right-hand side of the PCB assembly at connector PL3.

Note: When stated, refer to the appropriate product **Installation, Commissioning & Configuration Manual**.

⚠️ **WARNING - Make sure you have a PC back-up of the current configuration data and ALL power to the panel has been disconnected.**

ATTENTION

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

Your kit PN: 020-553 should contain:

RS485 Interface Module PCB	PN: 124-316
Supporting Pillars (x2)	PN: 423-312
150R Termination Resistors (x2)	PN: 170-073-151
Anti-Static Warning instructions	PN: 997-180

Check your equipment....

Take suitable anti-static precautions, such as wearing a grounded wrist strap, when following ALL instructions. Remove all packaging from the equipment and ensure that it has not been damaged in transit and all items have been received - see checklist at left, before proceeding any further. If no damage is evident, proceed using the instructions below. In the unlikely event that damage has occurred or items are missing, DO NOT PROCEED, contact your supplier and refer to **Installation, Commissioning & Configuration Manual.**

Fitting the RS485 Interface Module PCB

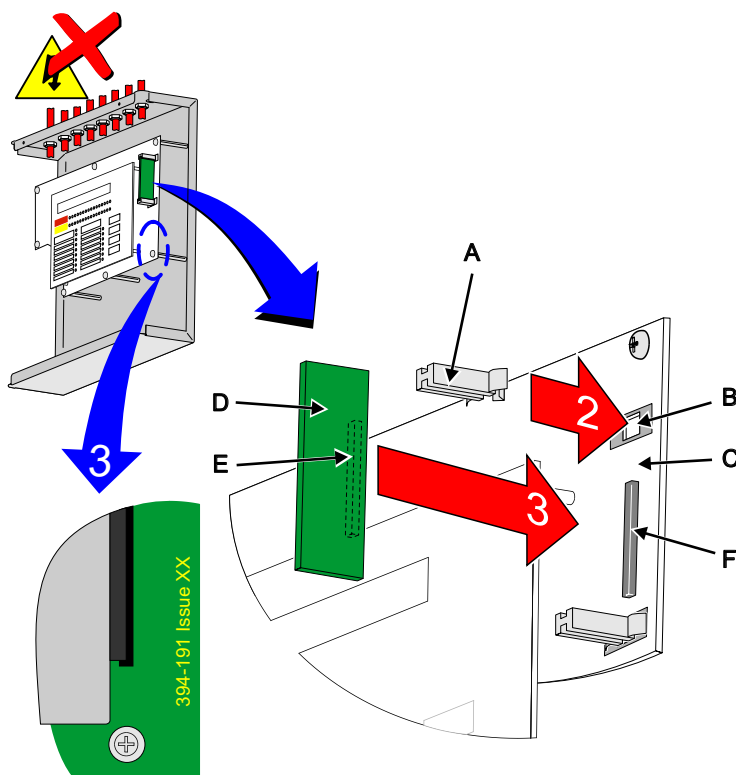With the back box installed in its chosen location, follow this procedure:

1 Remove the cover, refer to **Installation, Commissioning & Configuration Manual**, to expose the panel electronics. Disconnect the battery interlink wire from the batteries and isolate the mains supply.

2 Carefully fit the two plastic PCB support pillars (A) in to the holes (B) on the right-hand side of the PCB Assembly (C).

3 Fit the RS485 Interface Module PCB (D).

Fitting to PCB Assembly PN: 394-191-001, 002 or 003

i. Make sure the RS485 Interface Module PCB components are facing the membrane and rest it in the PCB Support pillar guides.

ii. Gently ease the RS485 PCB and PCB Support pillars away from the membrane and carefully slide the RS485 PCB down the pillars until the 10-way socket (E) aligns with the connector, PL3 (F) on the PCB Assembly ensuring that the components do NOT foul on the membrane.

iii. Carefully return the PCB Support pillars to their normal position and with a firm and constant pushing action, connect the PCB.

Fitting to PCB Assembly PN: 394-191 Issue 4 or later

i. Make sure the RS485 Interface Module PCB components are facing away from the membrane and rest it in guides of the PCB Support pillars.

ii. Carefully slide the PCB along the pillars until the 10-way socket (E) aligns with the connector, PL3 (F) on the PCB Assembly.

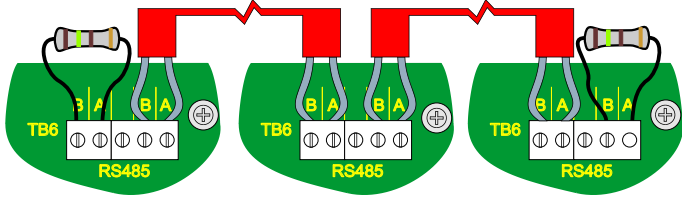iii. With a firm and constant pushing action, connect the RS485 PCB to the PCB Assembly.

Continued overleaf....

CAUTION -
NEVER connect the
batteries before the
mains supply!

If fitted as first
station on a
RS485 Comms Link

If fitted as an
intermediate
station

If fitted as last
station on a
RS485 Comms Link

4   Connect RS485 Communications wiring at TB6 (as at below left), ensuring correct polarity where applicable and fit the cover.

If connecting the panel as the first or last station to the RS485 Communications Link connect a 150R Termination resistor to the PCB Assembly on the left-hand side or the right-hand side terminals of TB6 respectively.

5   Apply the mains power supply and connect the battery interlink wire. Configure the panel **Installation, Commissioning & Configuration Manual**.

Removing the RS485 Interface Module PCB

If removing the RS485 Interface Module PCB follow the procedures above in reverse order.

Ensure a backup of the current configuration has been made and all power is isolated.