INTEGRA Products
Wall-Mount Instructions

Observe all safety information both on the equipment and in in the Safety and Precautions.

⚠️ This document only provides instructions to mount the INTEGRA to the wall.

Ensure you refer to the full INTEGRA Installation Guide for correct installation and wiring details.

For all user documentation please go to www.asl-control.co.uk/downloads or scan the QR code.

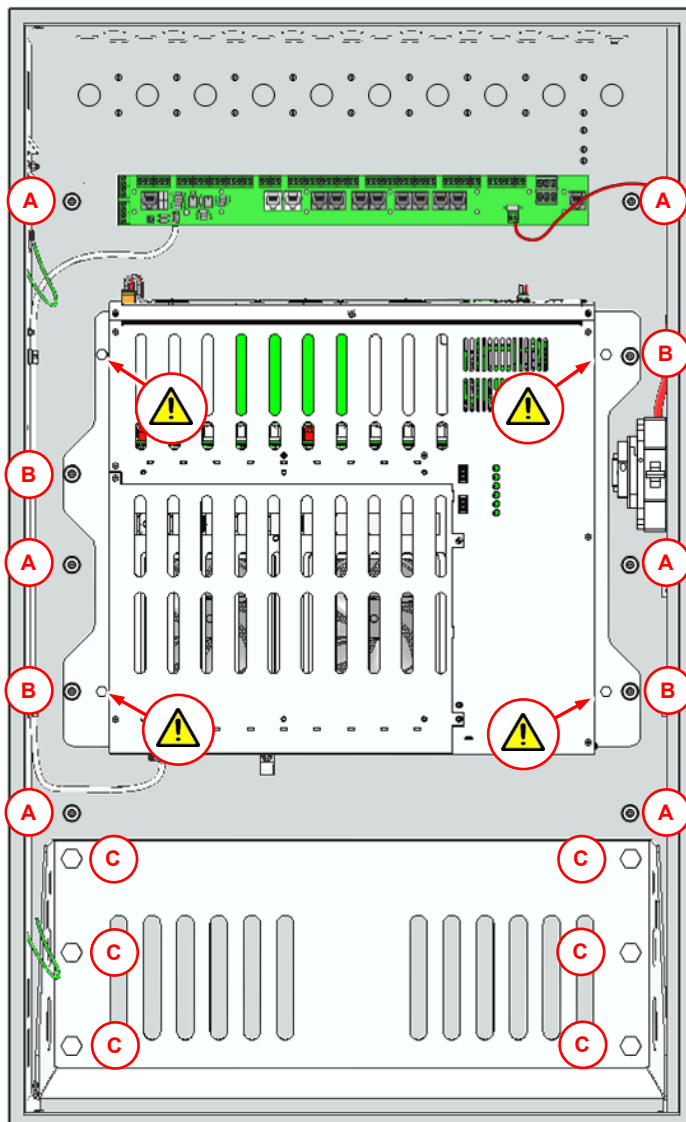⚠️ Do not try to move or unpack an assembled unit without assistance.

The INTEGRA is heavy:
- Max. > 30 kg for the back box (and door) only
- Max. > 45 kg with the Electronics Module fitted
- Max. > 95 kg with the Electronics Module and both backup batteries fitted

It may take two or more people to install the Back Box with Electronics Module fitted.

1   Installing the Wall-Mount Frame

1. Undo 6 x M6 nuts (**A**) securing the back box to the wall-mount frame.

2. Undo 4 x M6 nuts (**B**) securing the Electronics Module to the wall-mount frame (if not already done).

3. Undo the 6 x M8 hex head screws securing the battery tray to the back box and wall-mount frame (**C**).

⚠️ Do not remove the transit screws if not removing the Electronics Module.

1   Installing the Wall-Mount Frame

⚠️ The INTEGRA is heavy (max. > 95 kg with batteries fitted).
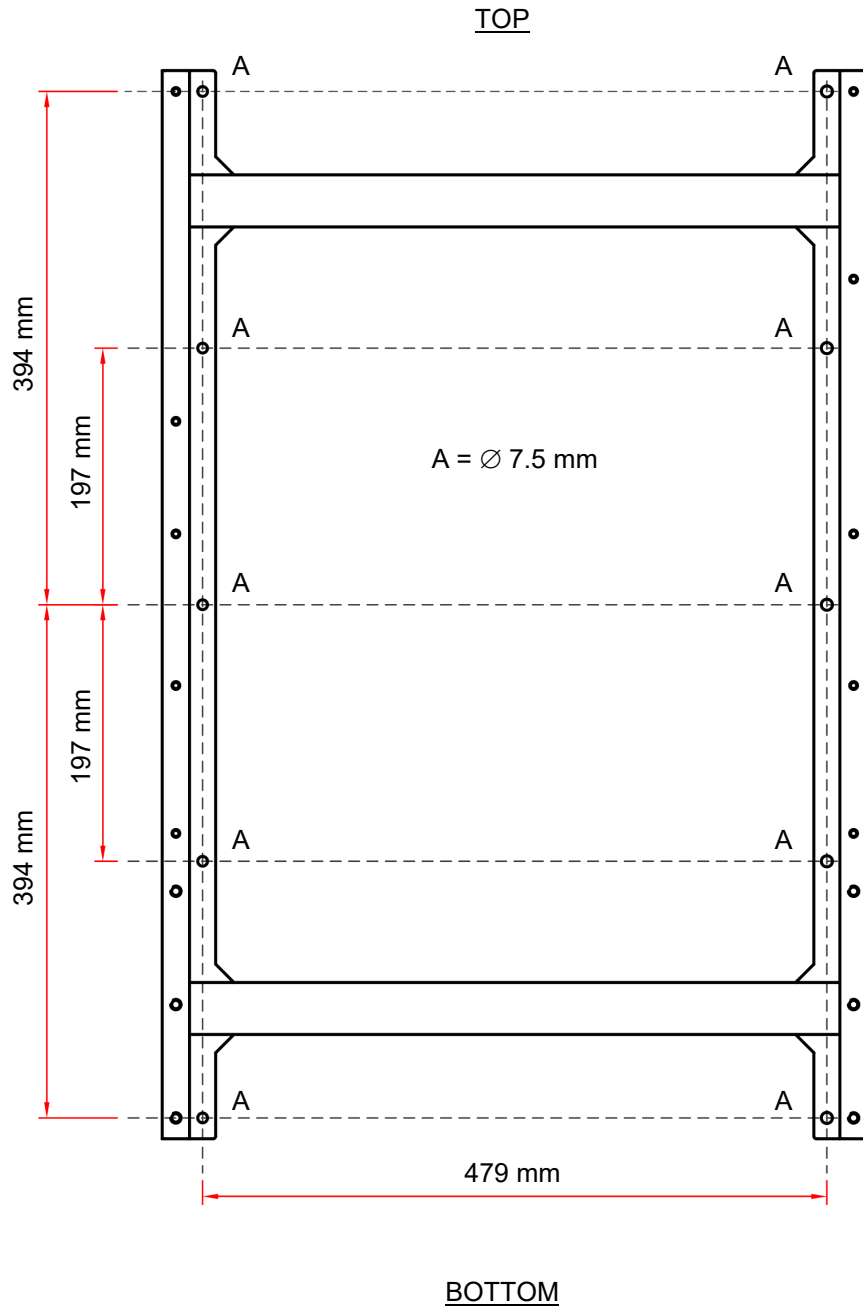
It is VITAL that it is mounted to suitably robust walls or structures using appropriate fixing for the specific wall type.

4.   Prepare the wall-mount holes appropriately using the wall-mount frame to mark the hole positions (shown below).

5.   Secure the wall-mount frame to the wall.

⚠️ Ensure that the frame is correctly oriented as shown below.

TOP

A = ⌀ 7.5 mm

394 mm

197 mm

197 mm

394 mm

479 mm

BOTTOM

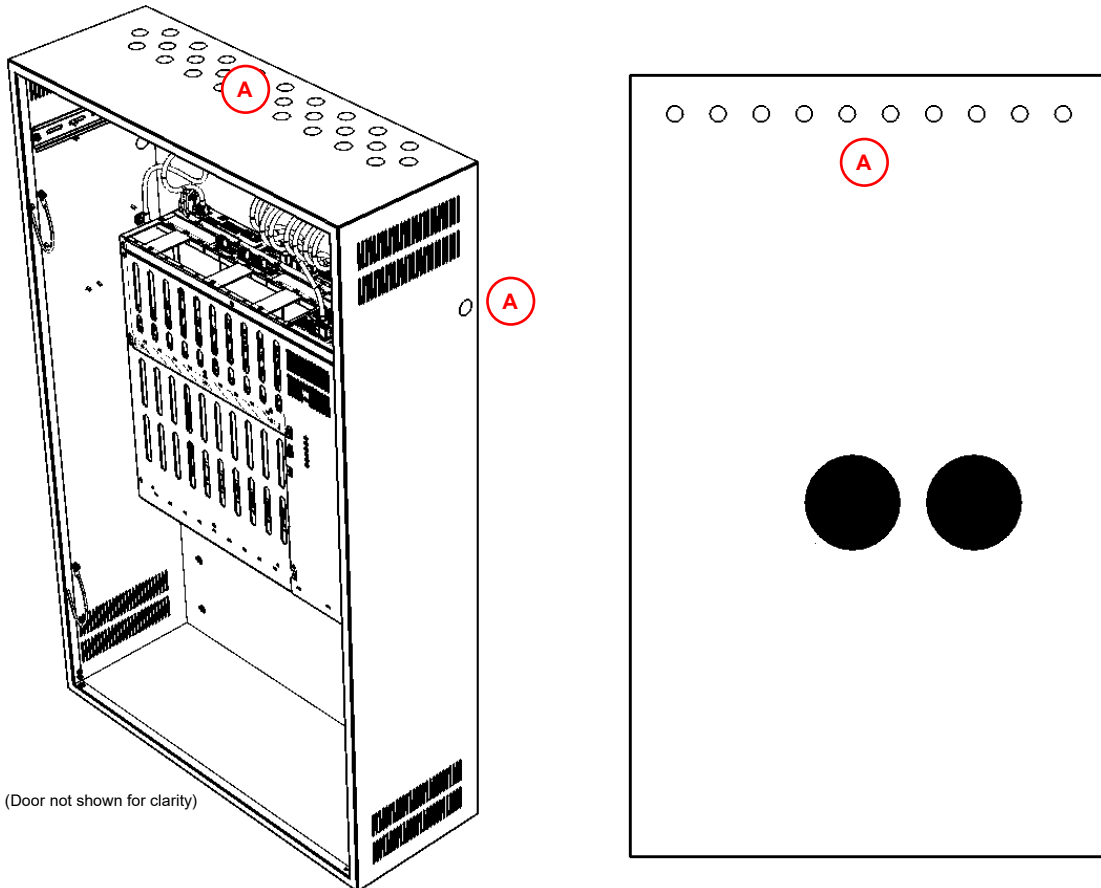| 2	Installing the Back Box with Electronics Module Fitted

⚠️ The INTEGRA is heavy:

- Back box only: max. > 30 kg
- Back box + Electronics Module: max. > 45 kg

It may take two or more people to install the Back Box with Electronics Module fitted.

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1. Remove all knock-outs (∅ 20 mm) required for the external wiring (**A**).

⚠️ Care should be taken to prevent swarf falling into the Field Termination Board, the Electronics Module, the Network Switch (if fitted), the circuit breaker and any wiring connections.

(Door not shown for clarity)

2   Installing the Back Box with Electronics Module Fitted

2.   Secure the back box to the wall-mount frame using the 6 x M6 nuts and washers (**A**).

⚠   Always ensure that adequate ventilation is provided for the equipment.

Do not block side or front vents and do not obstruct air flow behind enclosure.

⚠   Ensure that all swarf is removed from back box.

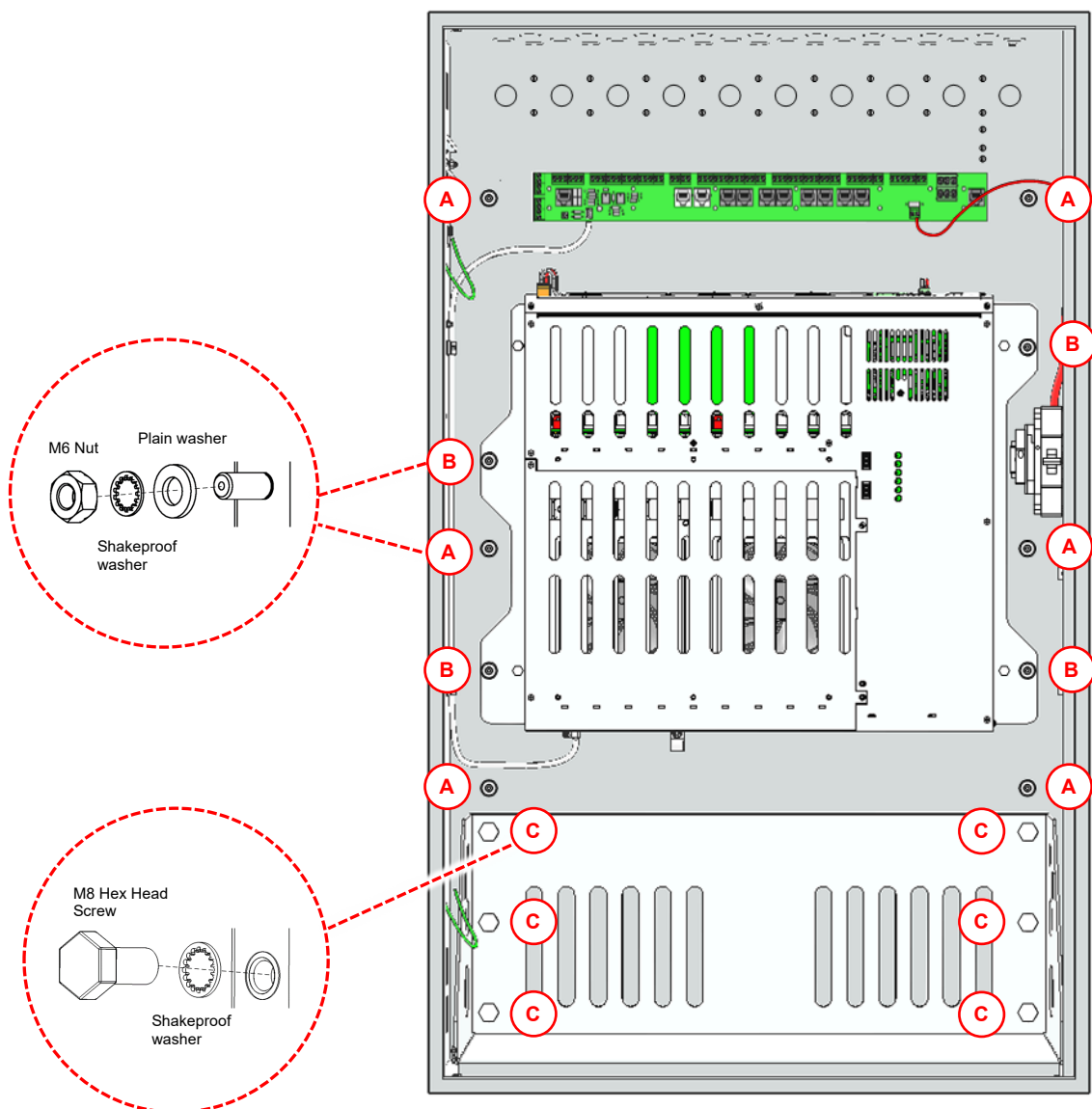**3.**   Secure the Electronics Module to the wall-mount frame using 4 M6 nuts and washers (**B**).

4.   Secure the Battery Tray to the back box using the 6 x M8 hex head screws and washers (**C**).

1)   Take care to not trap any cabling.

⚠   2)   Ensure that the 6 x M8 hex head screws are fully tightened so that all the battery weight is held by the wall-mounting frame and fixings, not by the back box.

3)   The back box is not designed to support the battery weight.

⚠   Ensure you refer to the full INTEGRA Installation Guide for correct installation of the mains supply, field wiring, optional items (if any) and batteries.

For all user documentation please go to www.asl-control.co.uk/downloads or scan the QR code on page 1.

3 Installing the Back Box with Electronics Module Removed

3.1 Removing the Electronics Module

⚠️ The Electronics Module can be removed from the back box for ease of wall installation.

The Electronics Module should be removed from the back box to install Interface Cards (LSZDC and/or V2000-STBY), set the standby amplifier links, or install a Network Switch.
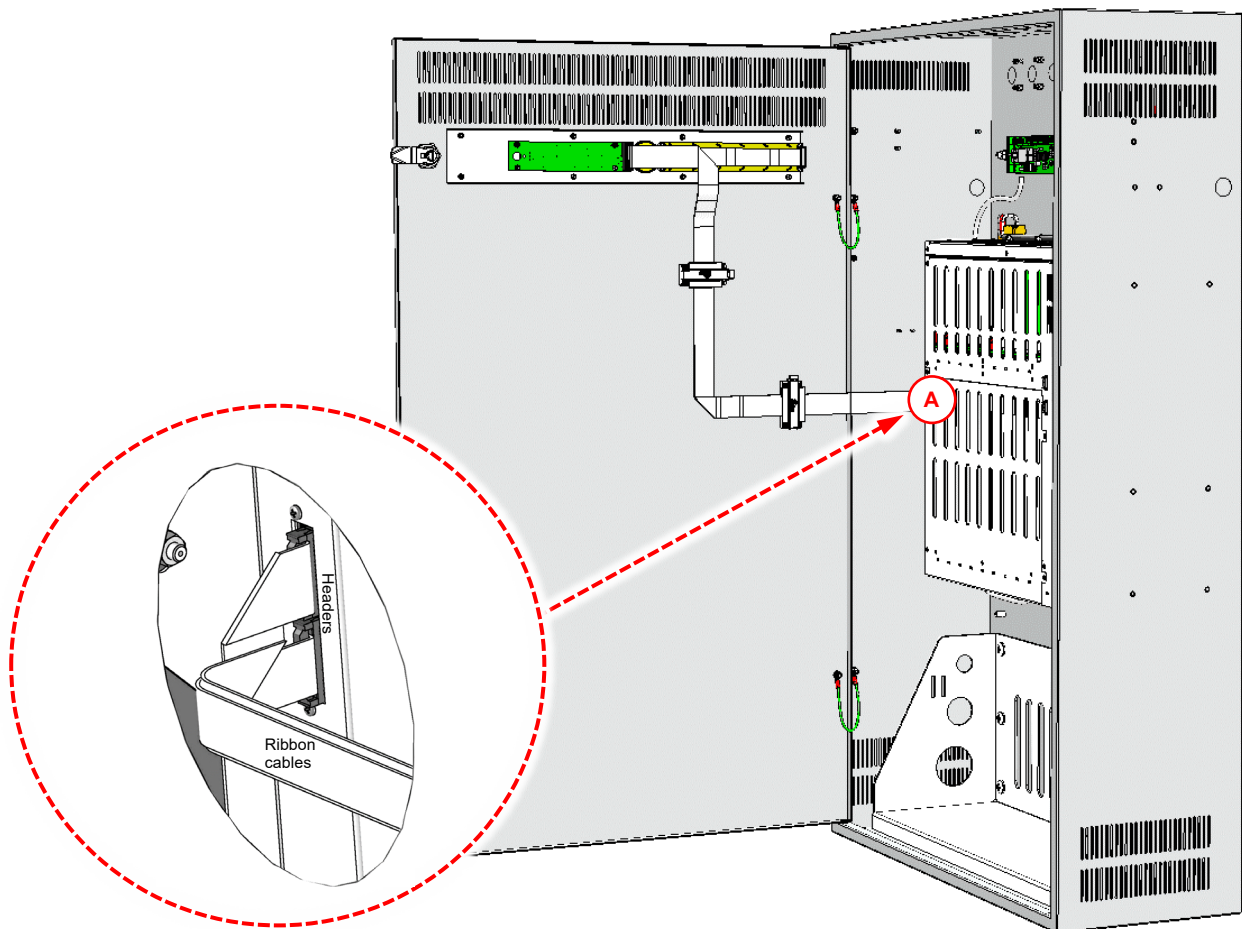
Removing the Electronics Module is NOT required if the INTEGRA is pre-configured with all required modules (Interface Cards, amplifiers and optional items).

⚠️ INTEGRA is heavy without the batteries but with the Electronics Module fitted (max. > 45 kg).

It may take two or more people to install the Back Box with Electronics Module fitted.

1. Unlock and open the unit's door.

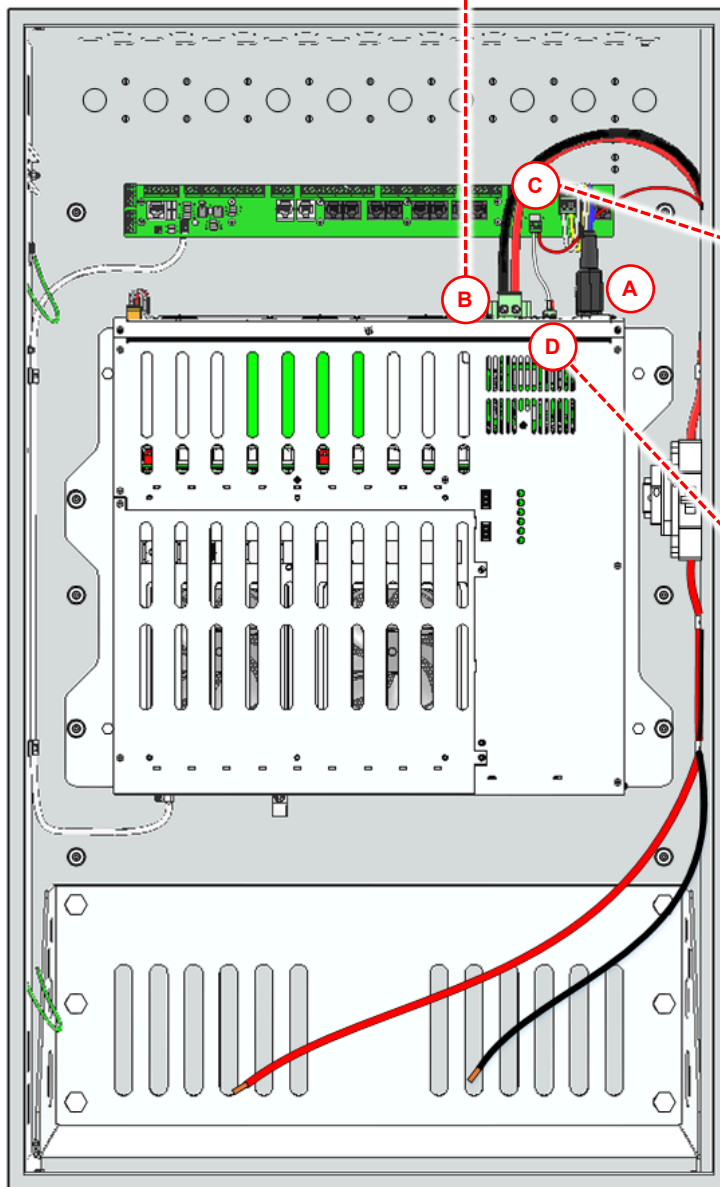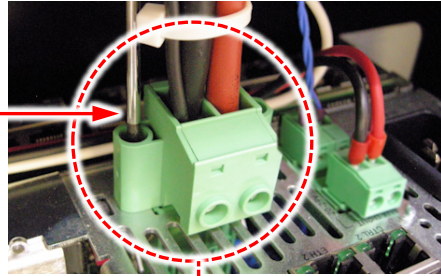2. Disconnect the ribbon cables from the headers on the left-hand side of the Electronics Module (**A**).

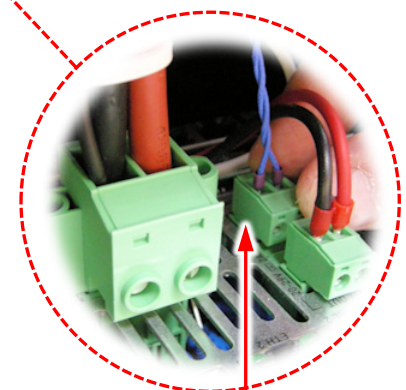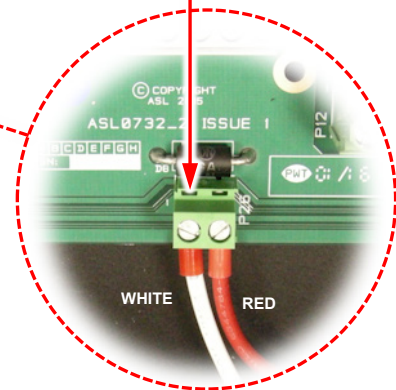## 3   Installing the Back Box with Electronics Module Removed

3.1   Removing the Electronics Module

3.   Disconnect the mains cable from the Electronics Module (**A**).

4.   Disconnect the battery cable from the Electronics Module by undoing two strain-relief screws (**B**).

5.   Disconnect the white power supply wiring from the Field Termination Board (**C**).

Do not disconnect the red power supply wiring from the Field Termination Board.

6.   Disconnect the thermistor cable from the Electronics Module (**D**).

Undo
2 x captive
screws using a
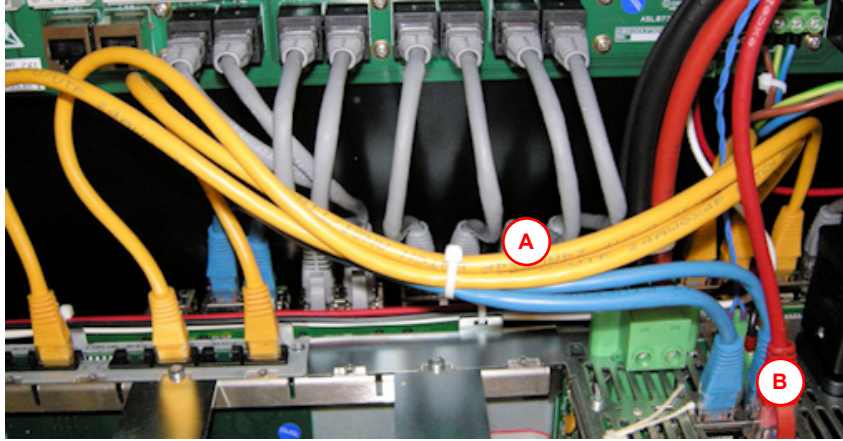small flat-blade
screwdriver.

Disconnect
the WHITE
wiring only.
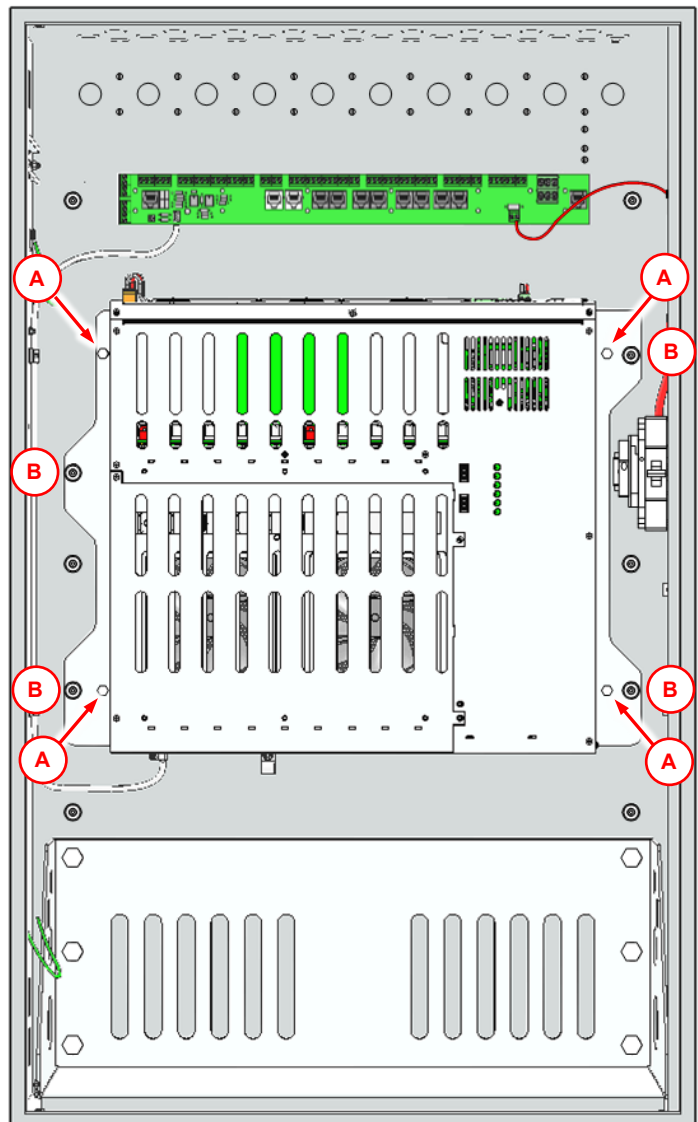
WHITE   RED

Thermistor
cable

3   Installing the Back Box with Electronics Module Removed

3.1   Removing the Electronics Module

7.   If fitted, disconnect all patch leads (3 x yellow, 2 x blue and 10 x grey) from the Electronics Module (**A**).

8.   Disconnect the red RJ45 patch lead from the Electronics Module (**B**).

9.   If a Hirschmann Network Switch is fitted, disconnect the blue patch lead from the Electronics Module.

10.   Remove the Electronics Module by:

    a.   Undoing 4 x M5 hex head transit screws (**A**).

    b.   Undoing 4 x M6 nuts (**B**).

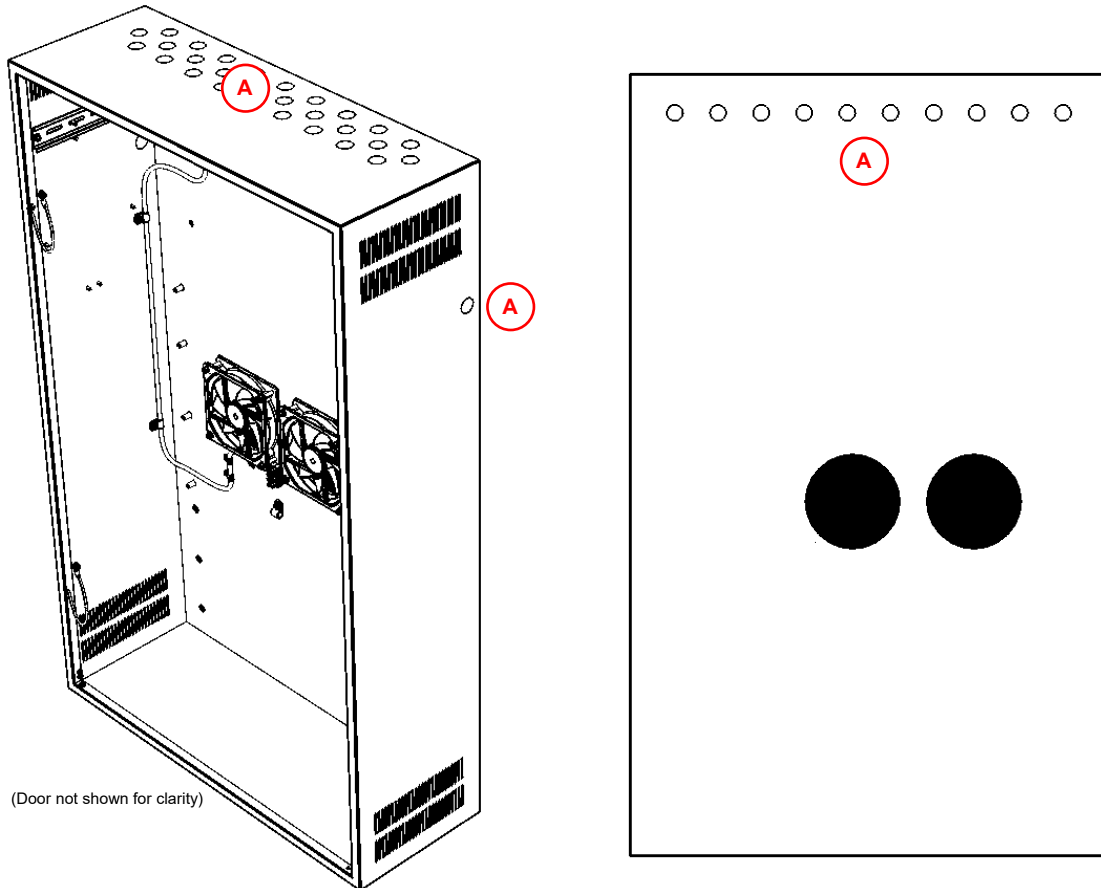## 3   Installing the Back Box with Electronics Module Removed

3.2   Installing the Back Box

1.   Remove all knock-outs ($\varnothing$ 20 mm) required for the external wiring (**A**).

⚠️ Care should be taken to prevent swarf falling into the Network Switch (if fitted), the circuit breaker, the fans and any wiring connections.

Care should be taken to prevent swarf falling into the Field Termination Board, the Electronics Module, the Network Switch (if fitted), the circuit breaker and any wiring connections.

(Door not shown for clarity)

3 Installing the Back Box with Electronics Module Removed

3.2 Installing the Back Box

2. Secure the back box to the wall-mount frame using the 6 x M6 nuts and washers (**A**).

⚠️ Always ensure that adequate ventilation is provided for the equipment.

Do not block side or front vents and do not obstruct air flow behind enclosure.

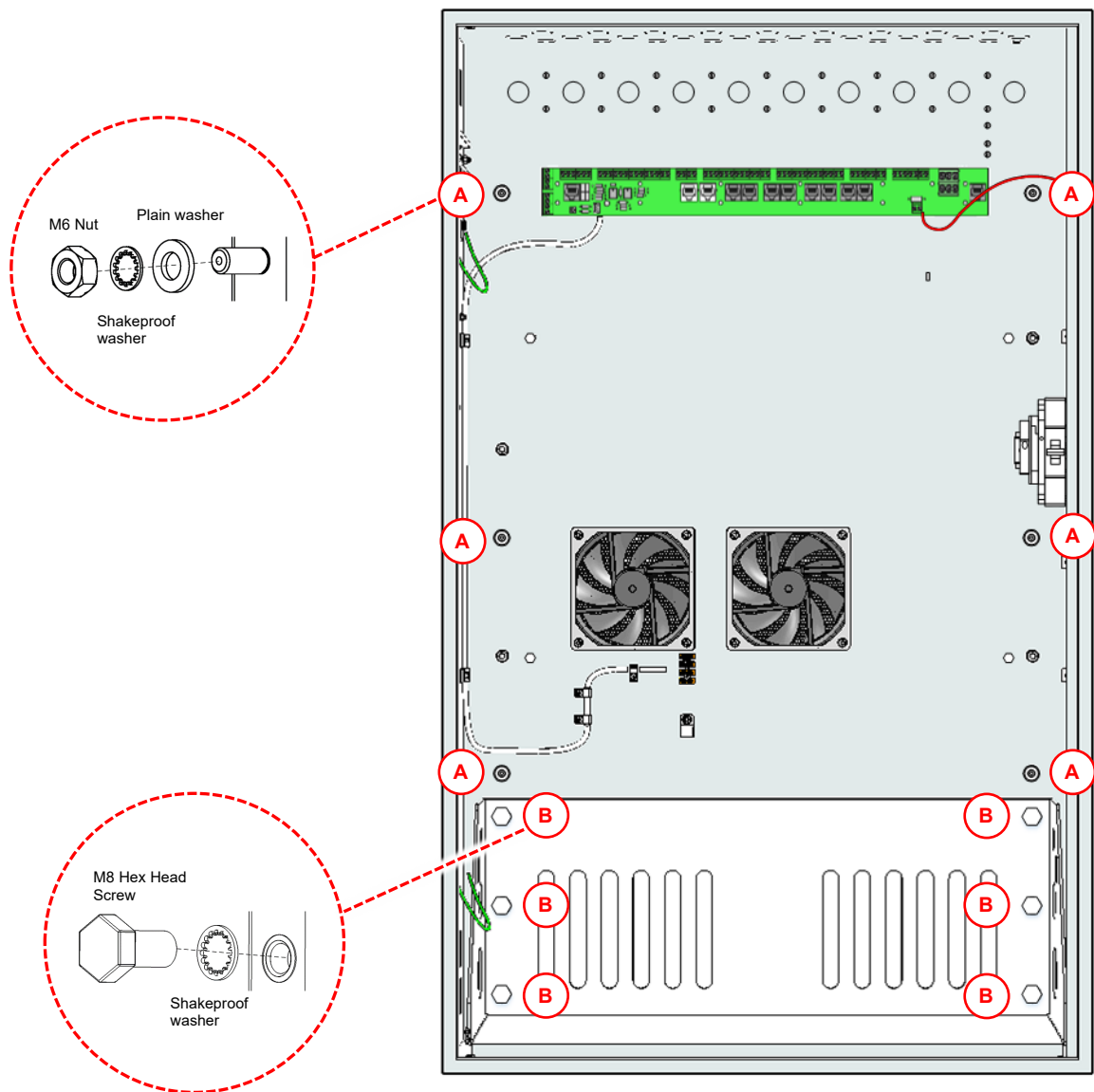⚠️ Ensure that all swarf is removed from back box.

3. Secure the Battery Tray to the back box using the 6 x M8 hex head screws and washers (**B**).

1) Take care to not trap any cabling.

⚠️ 2) Ensure that the 6 x M8 hex head screws are fully tightened so that all the battery weight is held by the wall-mounting frame and fixings, not by the back box.

3) The back box is not designed to support the battery weight.

M6 Nut   Plain washer

Shakeproof washer

M8 Hex Head Screw

Shakeproof washer

3   Installing the Back Box with Electronics Module Removed

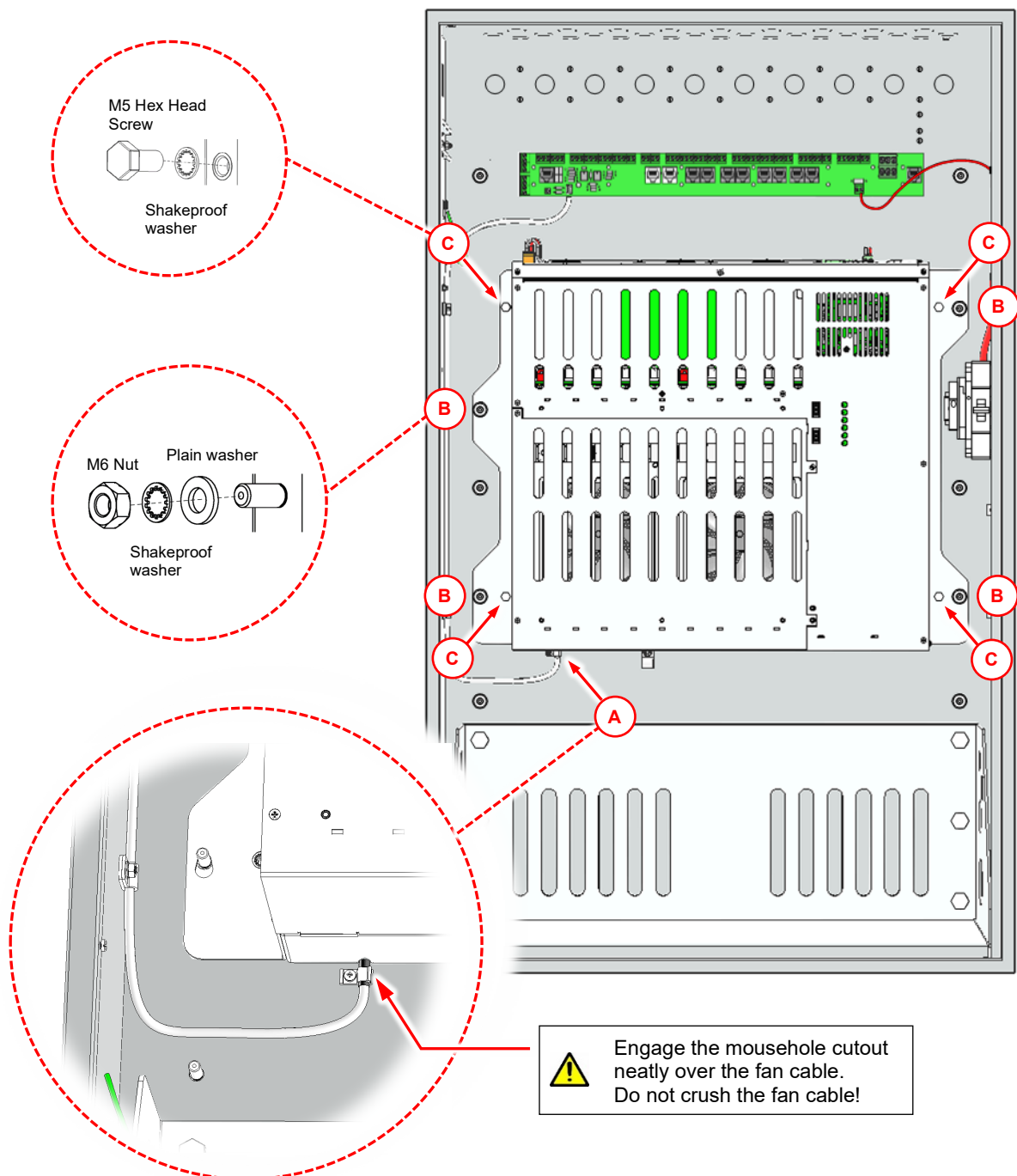## 3.3   Re-fitting the Electronics Module

⚠ Ensure all required hardware configuration (e.g. fitting surveillance cards and amplifier, and setting standby amplifier links and DIP switches) and optional item installation (e.g. Network Switch and BMB01 Remote I/O Unit) are carried out before fitting the Electronics Module into the Back Box. Please refer to the full INTEGRA Installation Guide for instructions.

1. Take the Electronics Module and carefully fit it into position in the back box, aligning the four mounting holes with the four M6 studs projecting through from the wall-mount frame.

   ⚠ Take care that the mousehole cutout on the botton of the Electronics Module engages neatly over the fan cable, ensuring that the fan cable is not crushed (**A**).
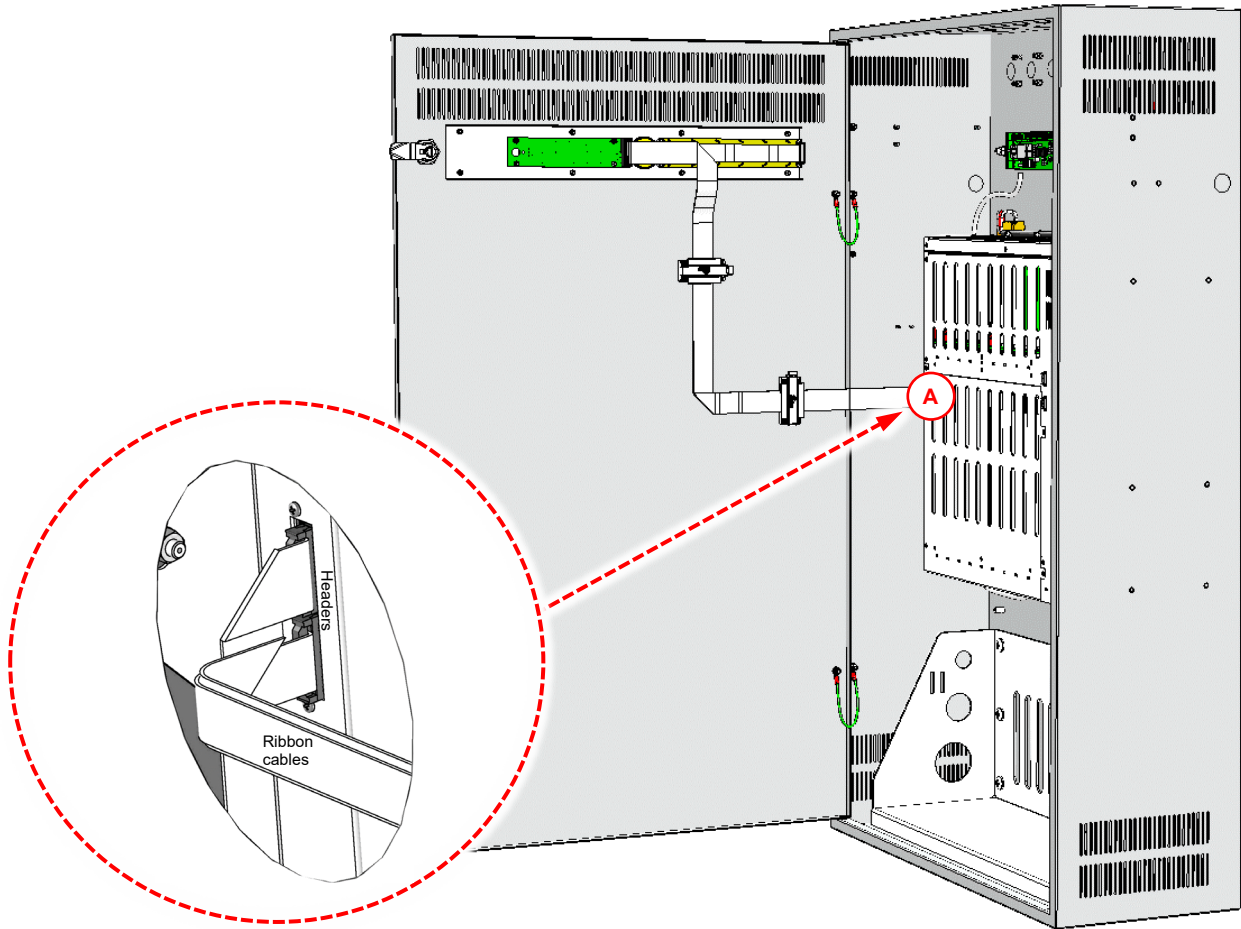
2. Secure the Electronics Module to the back box using 4 x M6 nuts and washers (**B**)

3. Fit 4 x M5 hex head transit screws and washers (**C**).

M5 Hex Head Screw

Shakeproof washer

M6 Nut   Plain washer

Shakeproof washer

⚠ Engage the mousehole cutout neatly over the fan cable.
Do not crush the fan cable!

3   Installing the Back Box with Electronics Module Removed
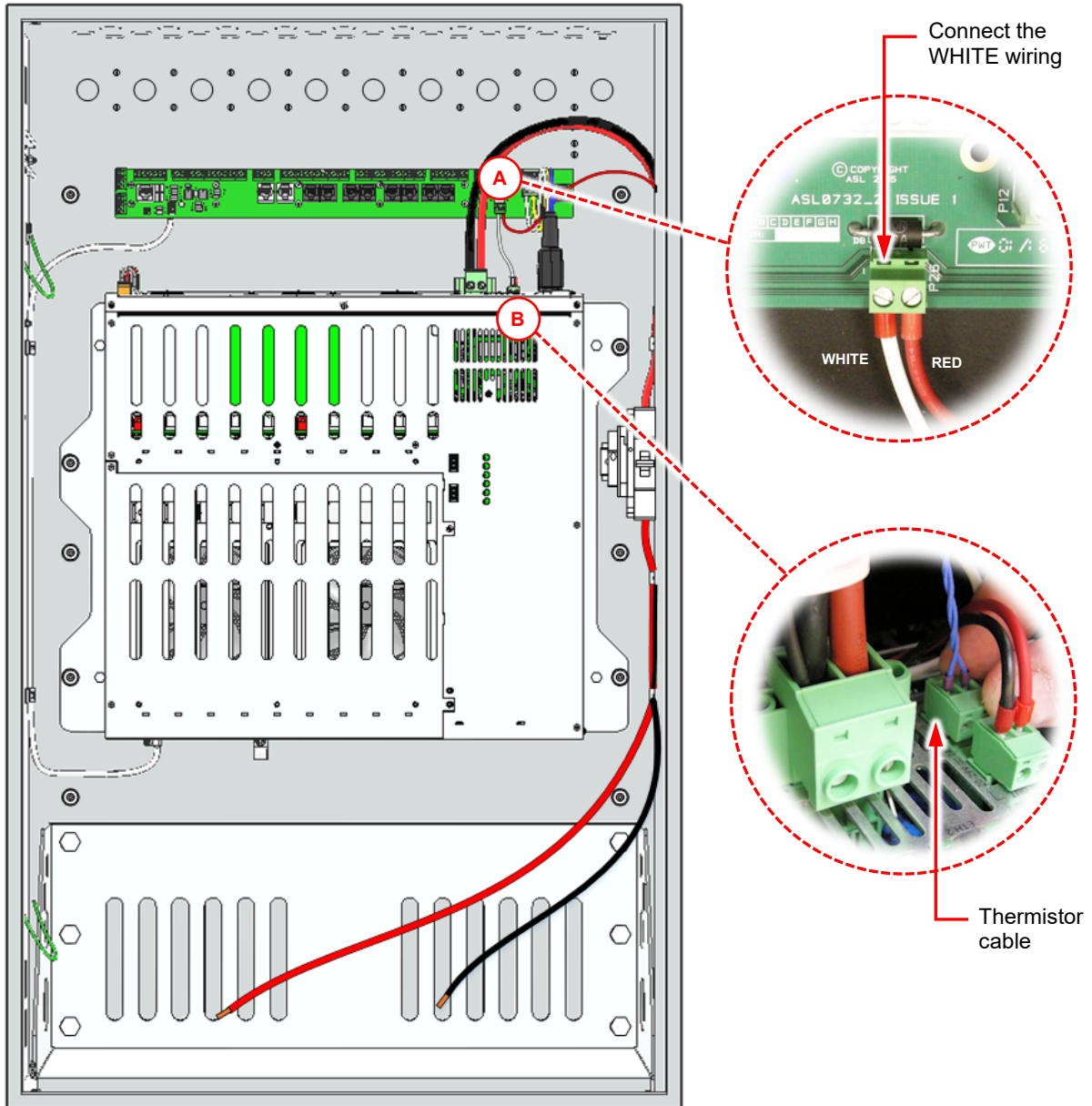
3.3   Re-fitting the Electronics Module

4.   Reconnect the ribbon cables from the front panel to the headers on the left-hand side of the Electronics Module (**A**).

Headers

Ribbon cables

A

3 Installing the Back Box with Electronics Module Removed

3.3 Re-fitting the Electronics Module

5. Reconnect the white power supply wiring to the Field Termination Board (**A**).

6. Reconnect the thermistor cable to connector NTC PROBE of the Electronics Module (**B**).

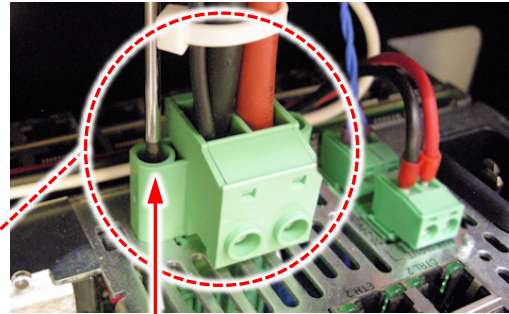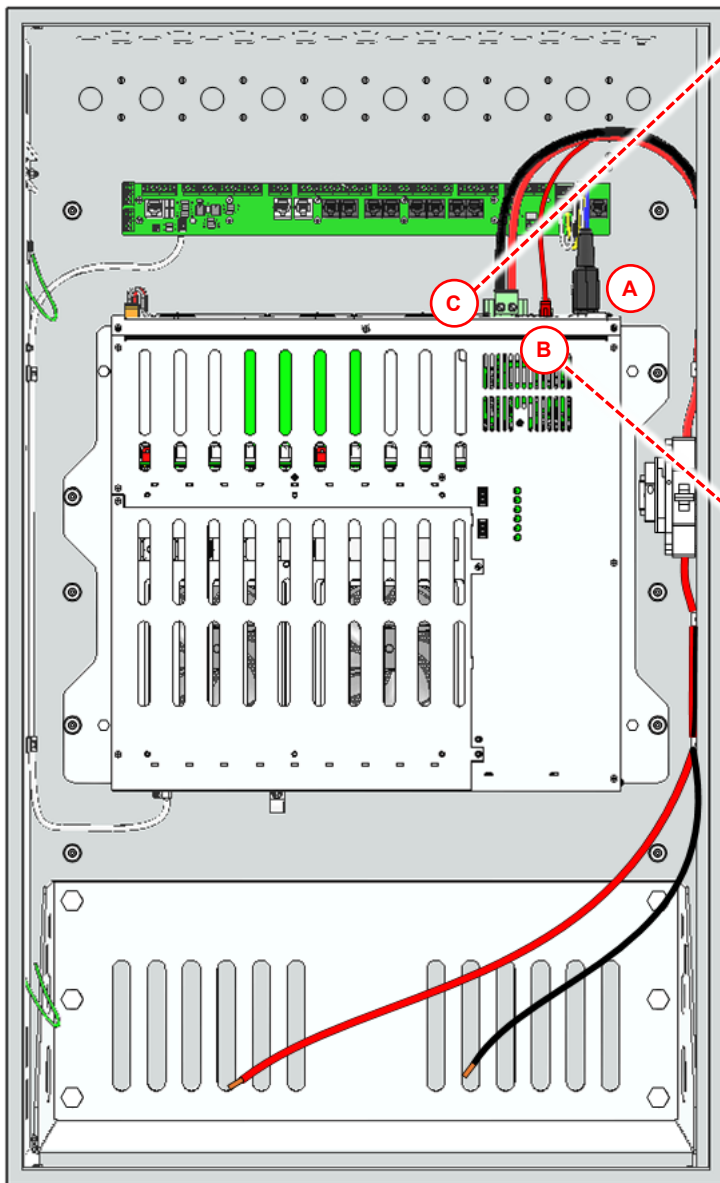Connect the WHITE wiring

Thermistor cable

3   Installing the Back Box with Electronics Module Removed

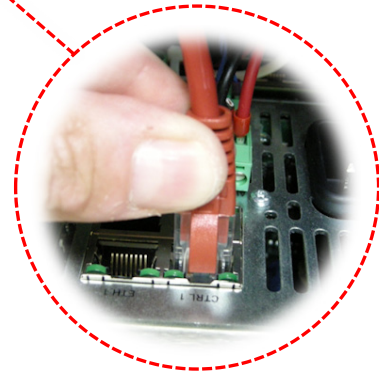## 3.3   Re-fitting the Electronics Module

7.   Reconnect the mains cable to the Electronics Module (**A**).

8.   Reconnect the red RJ45 patch lead to the Electronics Module's CTRL 1 port (**B**).

9.   Reconnect the battery cable to the Electronics Module and fasten the two strain-relief screws (**C**) using a small flat-blade screwdriver.

⚠️   Ensure that no conductor strands are visible at the plug and circuit breaker terminals.
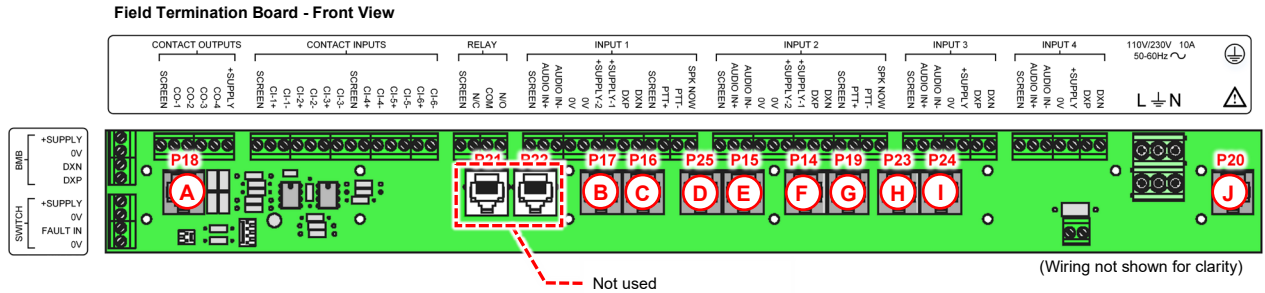

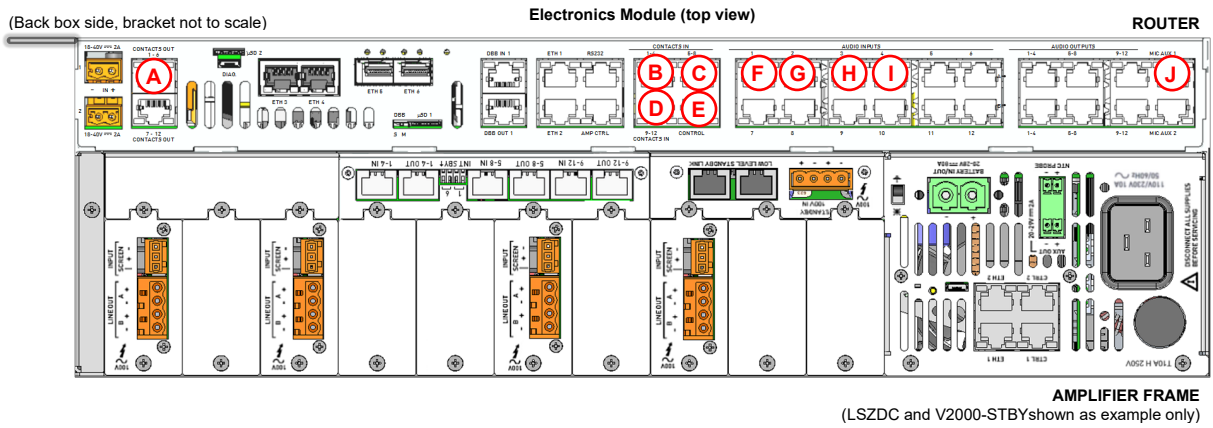⚠️   Fasten the captive strain-relief screws.

3   Installing the Back Box with Electronics Module Removed

3.4   Connecting the RJ45 Patch Leads to the Electronics Module

1.   Connect one end of the grey RJ45 patch leads (supplied) to the Router and the other end to the Field Termination Board as shown below.
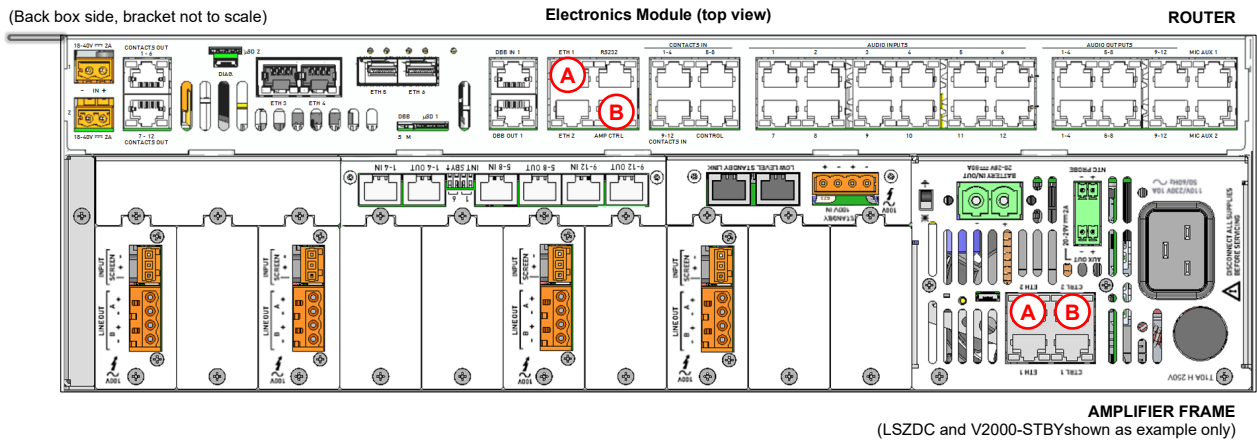

Field Termination Board - Front View

(Back box not to scale, for location/ reference purposes only.)

(Back box side, bracket not to scale)   Electronics Module (top view)   ROUTER

AMPLIFIER FRAME
(LSZDC and V2000-STBYshown as example only)

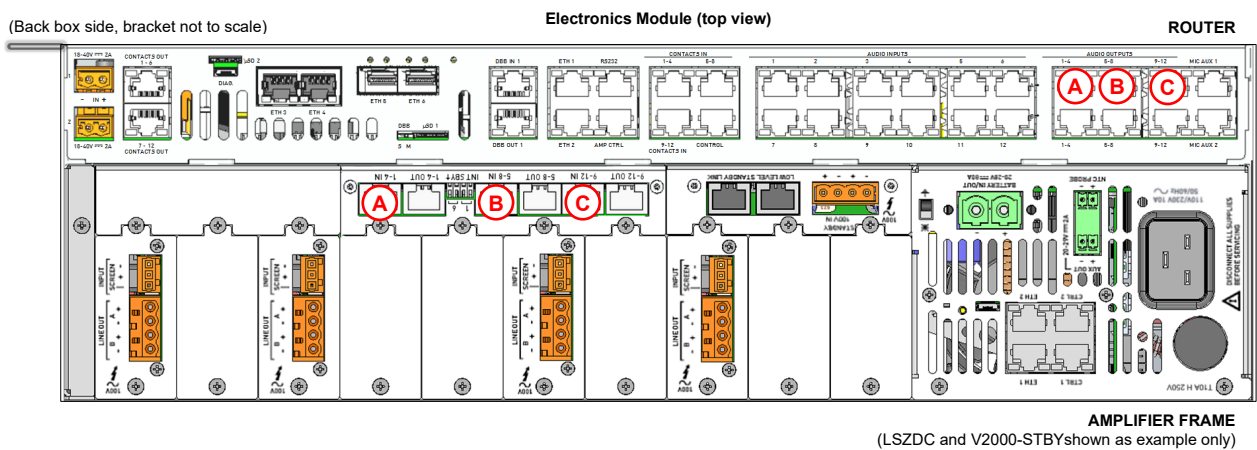|	Router Connector	Field Termination Board Connector	RJ45 Patch Lead Colour (Size)
Ⓐ	CONTACTS OUT 1-6	P18	Grey (200 mm)
Ⓑ	CONTACTS IN 1-4	P17	Grey (200 mm)
Ⓒ	CONTACTS IN 5-8	P16	Grey (200 mm)
Ⓓ	CONTACTS IN 9-12	P25	Grey (200 mm)
Ⓔ	CONTROL	P15	Grey (200 mm)
Ⓕ	AUDIO INPUT 1	P14	Grey (200 mm)
Ⓖ	AUDIO INPUT 2	P19	Grey (200 mm)
Ⓗ	AUDIO INPUT 3	P23	Grey (200 mm)
Ⓘ	AUDIO INPUT 4	P24	Grey (200 mm)
Ⓙ	MIC AUX1	P20	Grey (200 mm)

3   Installing the Back Box with Electronics Module Removed

3.4   Connecting the RJ45 Patch Leads to the Electronics Module

2.   Connect one end of the blue RJ45 patch leads (supplied) to the Router and the other end to the Amplifier Frame as shown below.

(Back box side, bracket not to scale)   Electronics Module (top view)   ROUTER

AMPLIFIER FRAME
(LSZDC and V2000-STBY shown as example only)

	Router Connector	Amplifier Frame Connector	RJ45 Patch Lead Colour (length)
Ⓐ	ETH1	ETH2	Blue (300 mm)
Ⓑ	AMP CRTL	CTRL2	Blue (300 mm)

3.   Connect one end of the yellow RJ45 patch leads (supplied) to the Router and the other end to the Amplifier Frame as shown below.
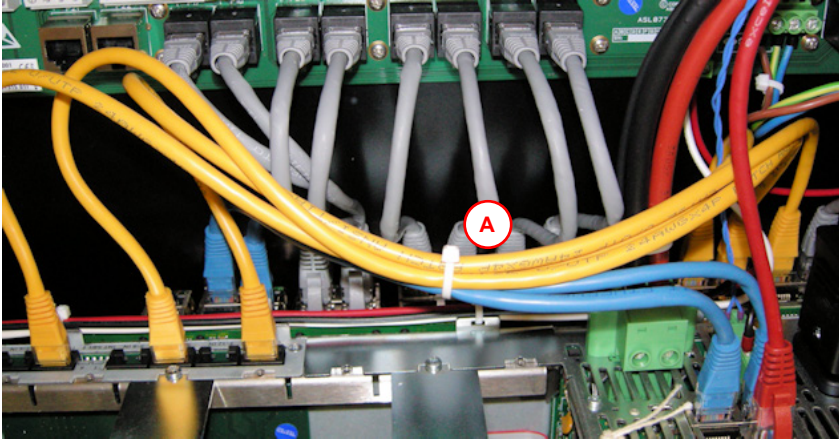

(Back box side, bracket not to scale)   Electronics Module (top view)   ROUTER

AMPLIFIER FRAME
(LSZDC and V2000-STBY shown as example only)

	Router Connector	Amplifier Frame Connector	RJ45 Patch Lead Colour (length)
Ⓐ	AUDIO OUTPUTS 1-4	1-4 IN	Yellow (500 mm)
Ⓑ	AUDIO OUTPUTS 5-8	5-8 IN	Yellow (500 mm)
Ⓒ	AUDIO OUTPUTS 9-12	9-12 IN	Yellow (500 mm)

3 Installing the Back Box with Electronics Module Removed

3.4 Connecting the RJ45 Patch Leads to the Electronics Module

4. Tether the three yellow and two blue patch leads neatly together as shown below using a 2.5 mm LSZH cable tie (**A**).
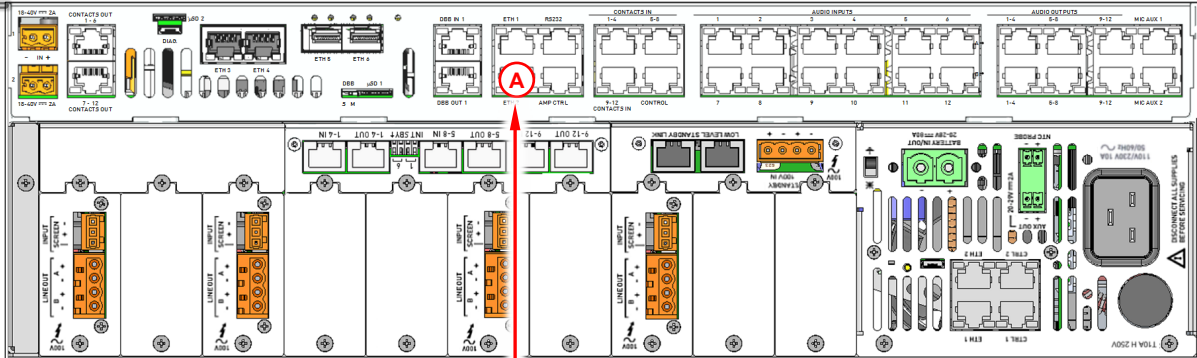

> ℹ️ Trim excess cable tie neatly.

5. If a Hirschmann Network Switch is fitted, connect one end of a CAT5 patch lead to the RJ45 Ethernet port number 3 of the Network Switch and the other end to the ETH2 port of the Router (**A**).
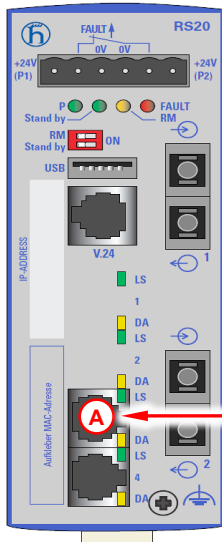
(Back box side, bracket not to scale)

Electronics Module (top view)

(LSZDC and V2000-STBYshown as example only)

Hirschmann RS20-04 Network Switch (top view)

> ⚠️ Ensure you refer to the full INTEGRA Installation Guide for correct installation of the mains supply, field wiring, optional items (if any) and batteries.
>
> For all user documentation please go to www.asl-control.co.uk/downloads or scan the QR code on page 1.