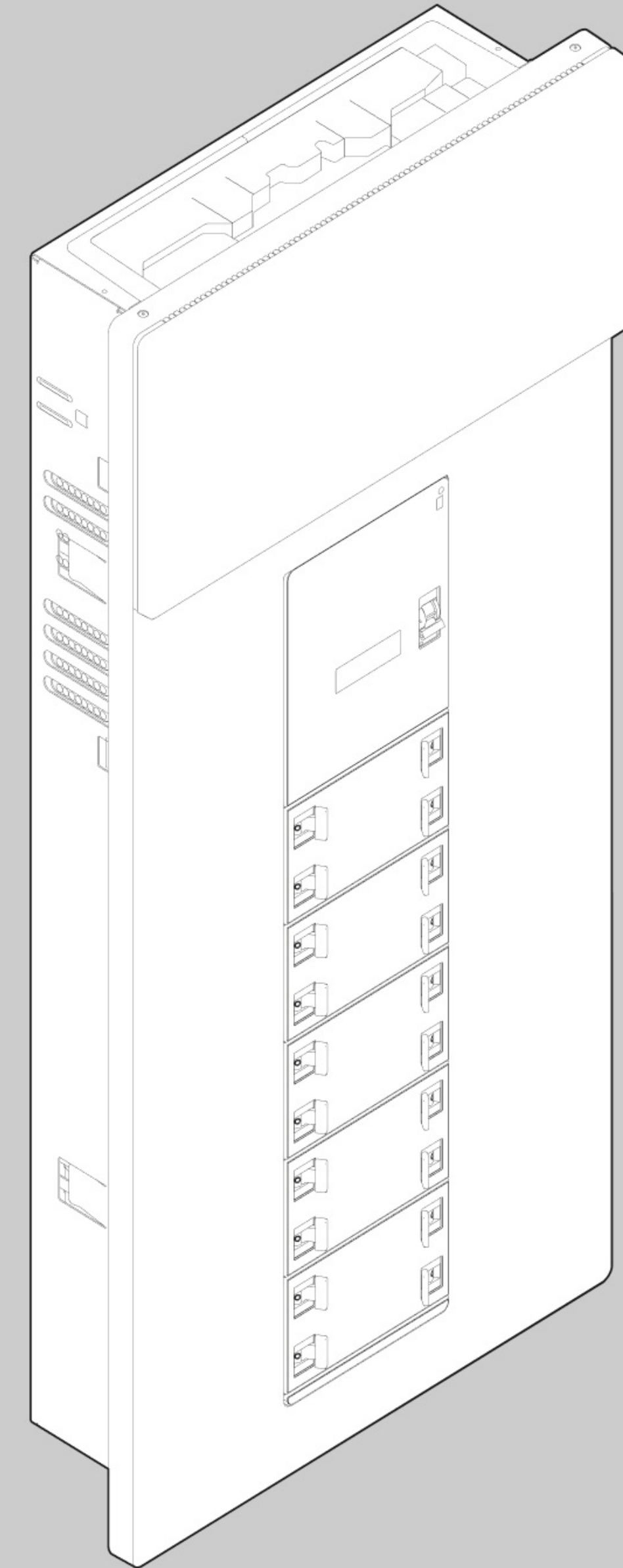


# Smart Panel Gen-1 Installation Guide



# Safety Precautions

## Important Information

### READ AND SAVE THESE INSTRUCTIONS - DO NOT DISCARD

The instructions outlined in this document should be followed during installation, maintenance and operation of this equipment. Safety warnings are included within these instructions and should be observed at all times.

Failure to follow the instructions and cautionary markings in this document or on the equipment may result in equipment damage, electric shock, fire, serious injury, or loss of life. Failing to follow any of these may also void the warranty of this product.

This document should be kept for future reference. Any updates to this documentation can be found at: -

Electrical equipment must be installed, operated, serviced, and maintained only by qualified personnel. Basis NZ assumes no responsibility for any consequences arising out of the use of this material.

# Safety Precautions

## Product Label Symbols

The following symbols appear on the product and/or product labels and instructional manuals are described here:

DANGER



- This indicates an imminently electrical hazardous situation which, if not avoided, will result in death or serious injury
- This indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury

WARNING & CAUTION



- This indicates a potentially electrical hazardous situation which, if not avoided, could result in death or serious injury, or equipment damage
- This indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury, or equipment damage
- This indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury

NOTICE



This indicates information relevant for optimal system operation, practices not related to physical injury.

Refer to the Manual



Protective Earth Ground



# Safety Precautions



Safety Notices - DANGER

DANGER: Do not use the Basis Smart Panel or a component thereof in any manner not specified by Basis. Doing so may cause injury or loss of life to persons, or damage to equipment

DANGER: The Basis Smart Panel must only be installed, serviced, and disassembled by qualified personnel. Only qualified personnel may connect the Basis Smart Panel to the utility grid. Perform all electrical installation in accordance with all applicable local wiring rules, such as the AS/NZS 3000.

DANGER: The Basis Meter must only be installed, serviced, and disassembled by qualified personnel. Only qualified personnel may connect the Basis Meter to the utility grid. Perform all electrical installation in accordance with all applicable local wiring rules, such as the AS/NZS 3000.

DANGER: Do not directly connect devices to, or downstream of the Basis Smart Panel where an unexpected disconnection event in the Basis Smart Panel could lead to loss of life or injury of person(s).  
Devices where a sudden disconnection of power may lead to harm such as life-support systems or critical medical equipment must be primarily be connected to supply systems designed for a greater assurance of supply in accordance with the risk level to the user, such as a UPS (Uninterruptible Power Supply). Qualified personnel must assess the risk level to the user and perform installation of such systems.

DANGER: Apply appropriate personal protective equipment (PPE) and follow safe work practices. See AS/NZS 4836.

DANGER: Do not install the Basis Smart Panel outdoors, or where it is exposed directly to rain, UV or other harmful weather events.

DANGER: Ensure torque requirements are met as under or over torquing could lead to an improper join of conducting busbars.

DANGER: Multiple live circuits. De-energise all power sources supplying this equipment before removing covers and working on or inside equipment.



NOTICE: The Front Cover of the Basis Smart Panel must be removed to access the Isolation Switch for de-energising the Supply Zone area. Ensure the Main Switch is opened before the Isolation Switch.

DANGER: Do not depend on Standby Mode for proof of safe isolation or de-energisation (via software control or internal relays reporting an open state) and then commence electrical work in the Basis Smart Panel or circuits connected to the Basis Smart Panel. Follow safe working guidelines for correct isolation and proof of de-energisation and open the corresponding circuit breaker and/or Main Switch.

DANGER: Always use an adequately rated voltage sensing device to verify de-energisation, and lock-out, tag-out appropriately.

DANGER: Replace all devices, covers and doors before turning on power to the equipment.

DANGER: To avoid damage of the equipment and its components, handle with care when transporting.

DANGER: Inspect the equipment before installing. Do not install the equipment if it has been damaged in any way.

DANGER: Do not attempt to open and service or repair a circuit/RCBO module. It is not designed to be user serviceable. Tampering with it will void the warranty.

DANGER: Only use Basis-approved parts in replacing damaged or missing parts within the Basis Smart Panel.

DANGER - Do not use third-party replacement parts not authorised by the OEM as it could lead to harm. Third-party (or knock off) components likely don't conform to our safety requirements, and hence could lead to safety critical incidents.

DANGER - The Smart Panel may not be installed in a damp environment such as a bathroom.

DANGER: Do not connect cables to the Basis Smart Panel that have been exposed to wet conditions. This voids the warranty.

DANGER: Do not immerse the Basis Smart Panel equipment or its components in water or other fluids.

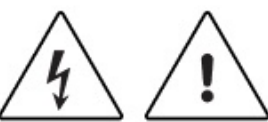
DANGER: Do not dispose of the Basis Smart Panel equipment in a fire or with general household waste. Follow local guidelines for recycling and disposal.

DANGER - Removing the system manager access cover without opening the isolation switch results in an electrocution hazard (the main switch cannot isolate this area)

DANGER: Plastic bags from the box can be dangerous. The film may cling to the face and prevent breathing. Keep away from small children.

**FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN DEATH OR SERIOUS INJURY.**

# Safety Precautions



## Safety Notices - WARNING AND/OR CAUTION

WARNING: Ensure all electrical wiring is correct and that none of the wires are pinched or damaged. See AS/NZS 3000.

WARNING - All wiring should be fit for purpose and connected according to local regulations or best practice.

WARNING: If there are any signs of smoke, unusual smell or excessive heat emitted by the Basis Smart Panel, evacuate the area and call local emergency services.

WARNING: Do not insert foreign objects into any part of the Basis Smart Panel. If possible avoid conducting works around the equipment which risks ingress of solids e.g. cutting of adjacent plasterboard and deposition of plasterboard dust on/in the Basis Smart Panel.

WARNING: Do not expose the Basis Smart Panel or any of its components to direct flame.

WARNING: Do not use liquids, gels, cleaning solvents or aerosols on the equipment. For cleaning, only use a soft cloth slightly dampened with water to clean exterior parts of the Basis Smart Panel.

WARNING: The Basis Smart Panel is only allowed to be installed in a dry, indoors environments.

WARNING: Install the equipment in a location where it is unlikely to be damaged by flooding. In case of a flood: If any part of the wiring is submerged, stay out of the water.

WARNING: Using heat to remove shielding or to heat shrink cables should only be done at this stage prior to the panel being installed as to avoid any damage.

WARNING: Ensure the product is free from building materials such as plasterboard dust.

WARNING: If the primary enclosure is not mounted properly to the wall bracket, there may be extra strain on the wires which could potentially damage them and cause an electrocution or fire risk.

WARNING: Avoid applying excessive force to the circuit breakers or switch toggle

WARNING: Avoid ingress of dust particles via environment or cleaning procedures such as compressed air

WARNING: The SPD does not protect against multiple surge events. If the indicator is RED - replace the SPD following the Replacement & Troubleshooting guide on [wearebasis.com/](http://wearebasis.com/) documents

CAUTION: Basis Smart Panel weight is 22 kg. Safe manual handling techniques are recommended.

CAUTION: Avoid over bending spring lever terminals. Excessive force applied even to one will result in an entire Circuit Module replacement.

**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DEATH OR SERIOUS INJURY.**

## ! Safety Notices - NOTICE

NOTICE: To ensure optimal reliability and to meet warranty requirements, install the Basis Smart Panel according to the instructions in this guide.

NOTICE: The Basis Smart Panel should operate with a stable connection to the internet. Failure to provide a stable connection may impact performance and/or ability for critical notifications to be sent from the Panel to the mobile app.

NOTICE: Do not depend on the Basis Smart Panel for surge protection of devices connected downstream. Provide downstream devices with their own surge protection.

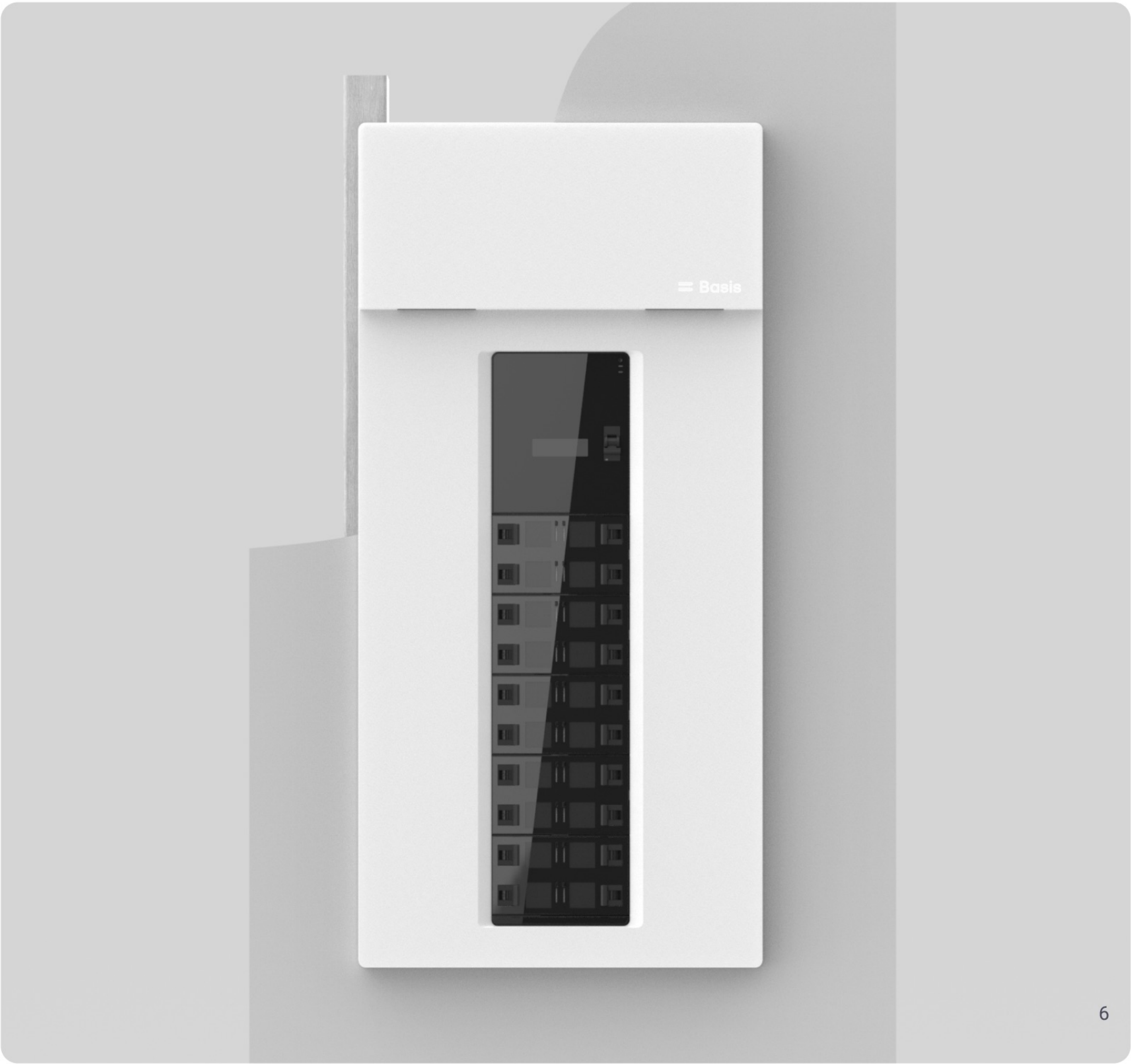
# Introduction

The Basis smart panel combines over 120 monitoring, control and safety devices into one seamless energy experience. Embrace smarter living with the Basis smart panel, which does more than just distribute electricity. It safeguards, manages, and optimises your energy, so you can live more and worry less. Designed by world-class engineers, everything is perfectly in its place right out of the box.

Unlike traditional electric panels, Basis Core sheds light on your energy usage, revealing power suckers, finding savings opportunities and supercharging your home's electrical health. It's a power revolution in your pocket.

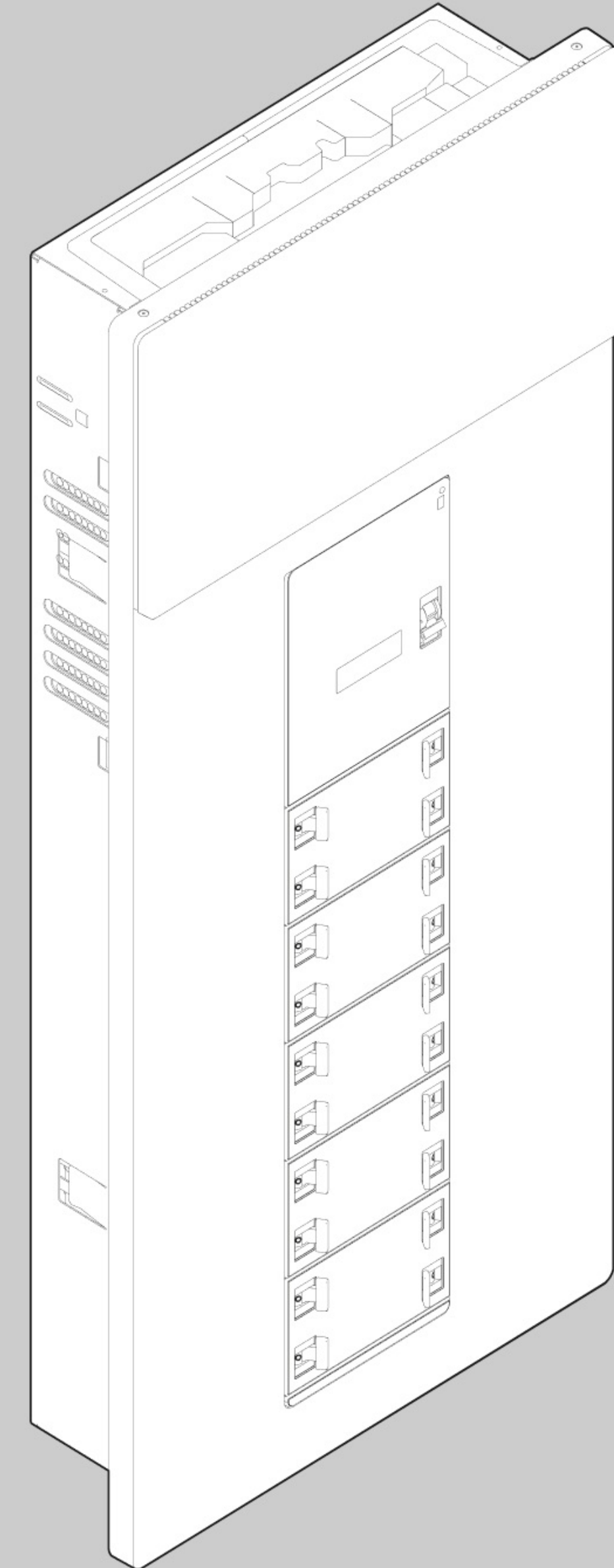
With its beautiful design, powerful insights and the world's most advanced electrical safety technologies, the Basis smart panel will redefine your home energy experience.

This product is protected by patents and registered designs in one or more countries. For a complete list see:  
Patent: <https://wearebasis.com/legal/patents>



# Table of Contents

1. Smart Panel Overview
2. Unpacking
3. Mounting & Prewiring
4. Termination and Livening
5. Configuration
6. Finalise
7. Extra Information



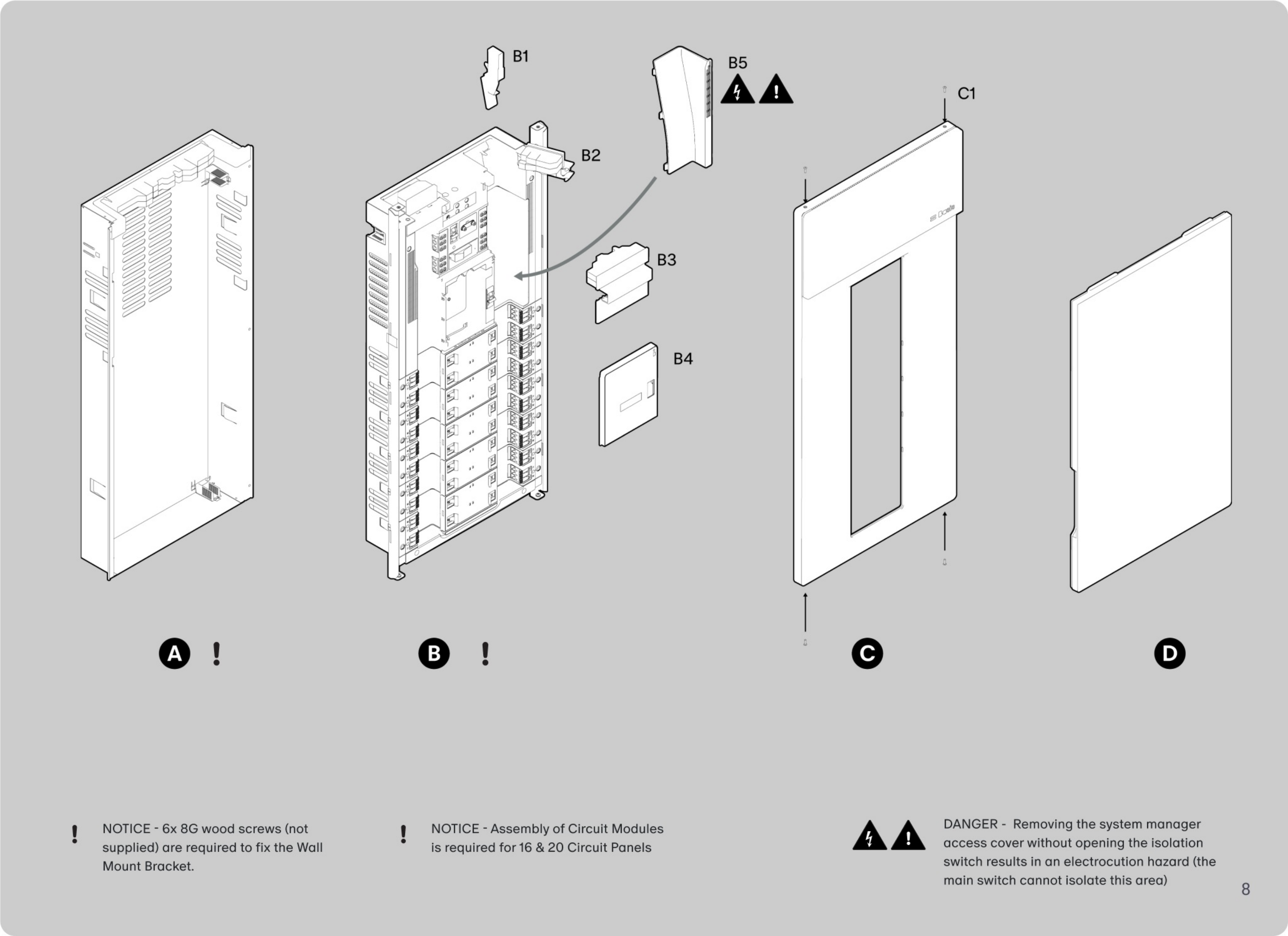
# 1. Smart Panel Overview

## In the Box

- A** Wall Bracket Mount
- B** Smart Panel
  - B1 Ethernet Port Cover
  - B2 Cable Clamp & Foam
  - B3 Mains Supply Cover
  - B4 Meter Cover
  - B5 System Manager Cover ⚡ ⚠
- C** Wall Bracket Mount
  - C1 M3x0.5 Phillips Head Screw (4x)
- D** Smart Panel

## Tools Required (Not Supplied)

- |                     |                  |
|---------------------|------------------|
| 8G Wood Screws (6x) | Ethernet Ferrite |
| #2 Robinson Head    | Testing Probes   |
| Torque screwdriver  |                  |



! NOTICE - 6x 8G wood screws (not supplied) are required to fix the Wall Mount Bracket.

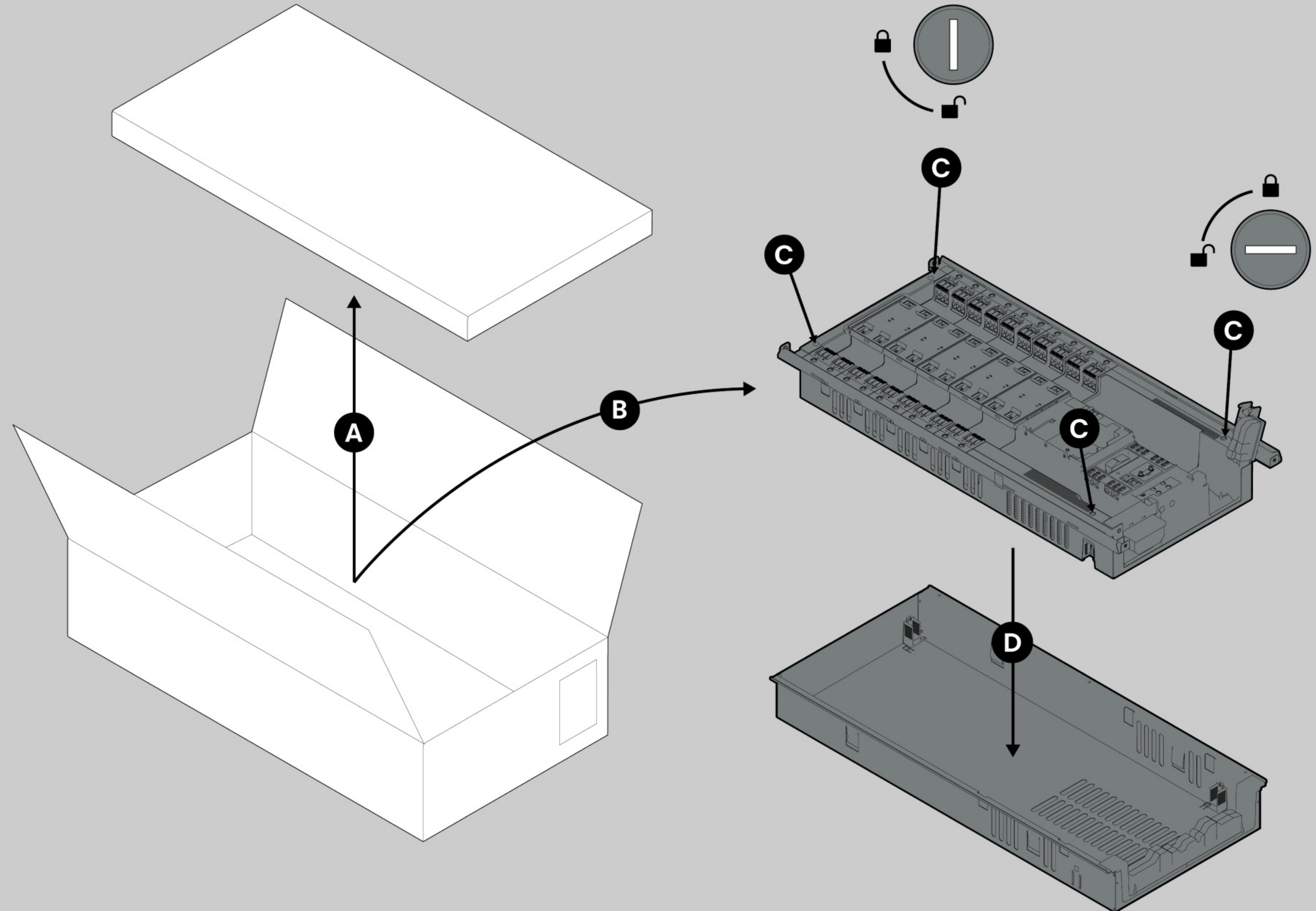
! NOTICE - Assembly of Circuit Modules is required for 16 & 20 Circuit Panels

⚡ ⚠ DANGER - Removing the system manager access cover without opening the isolation switch results in an electrocution hazard (the main switch cannot isolate this area)

## 2. Unpacking

### 2.0 Unpack the box and separate the Wall Bracket from the Panel

- A** Remove and set aside Front Door and Panel Box
- B** Remove Smart Panel Assembly
- C** Unlock Bracket Mounting Points (4x)
- D** Separate Wall Bracket from Smart Panel

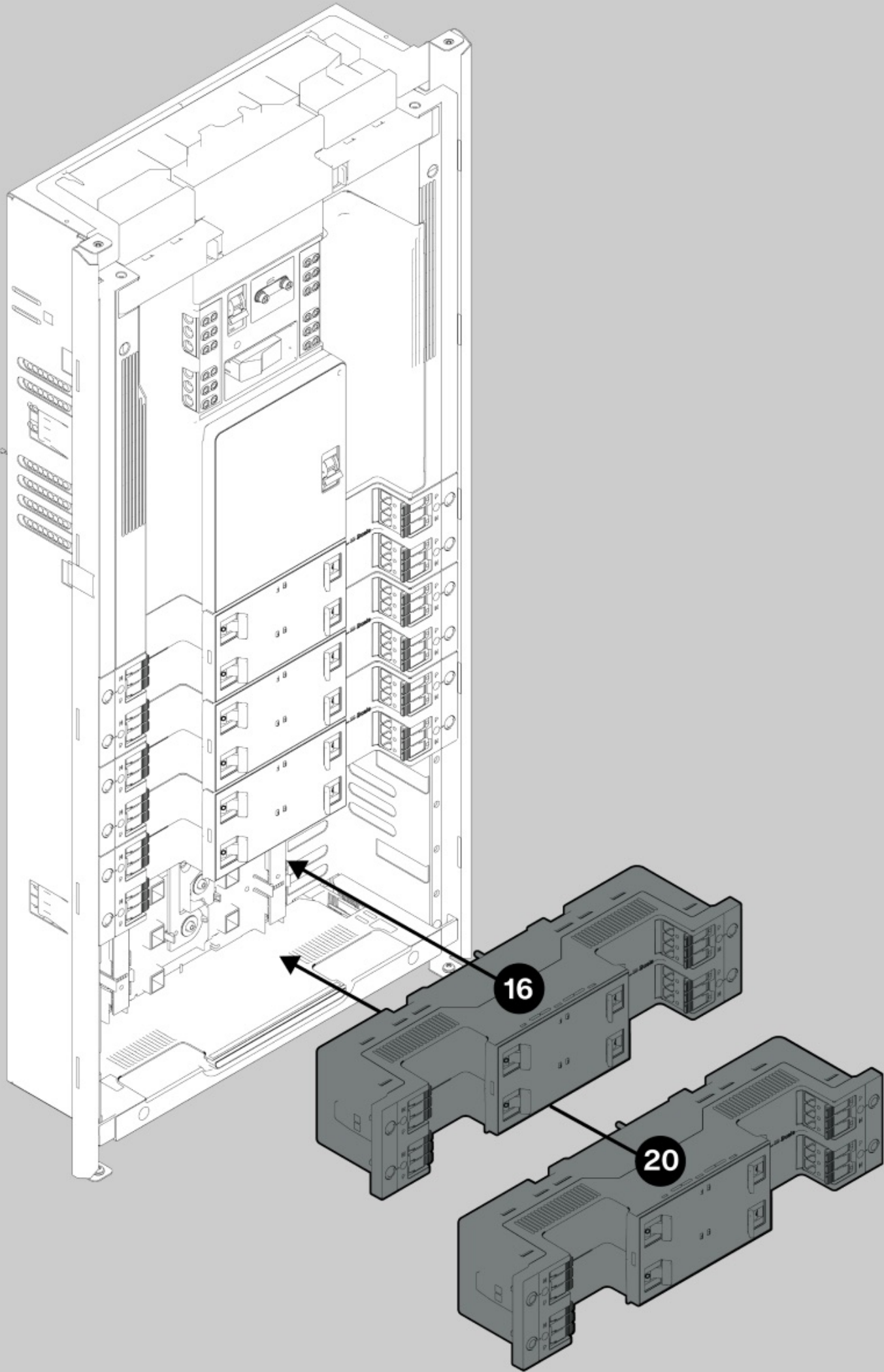
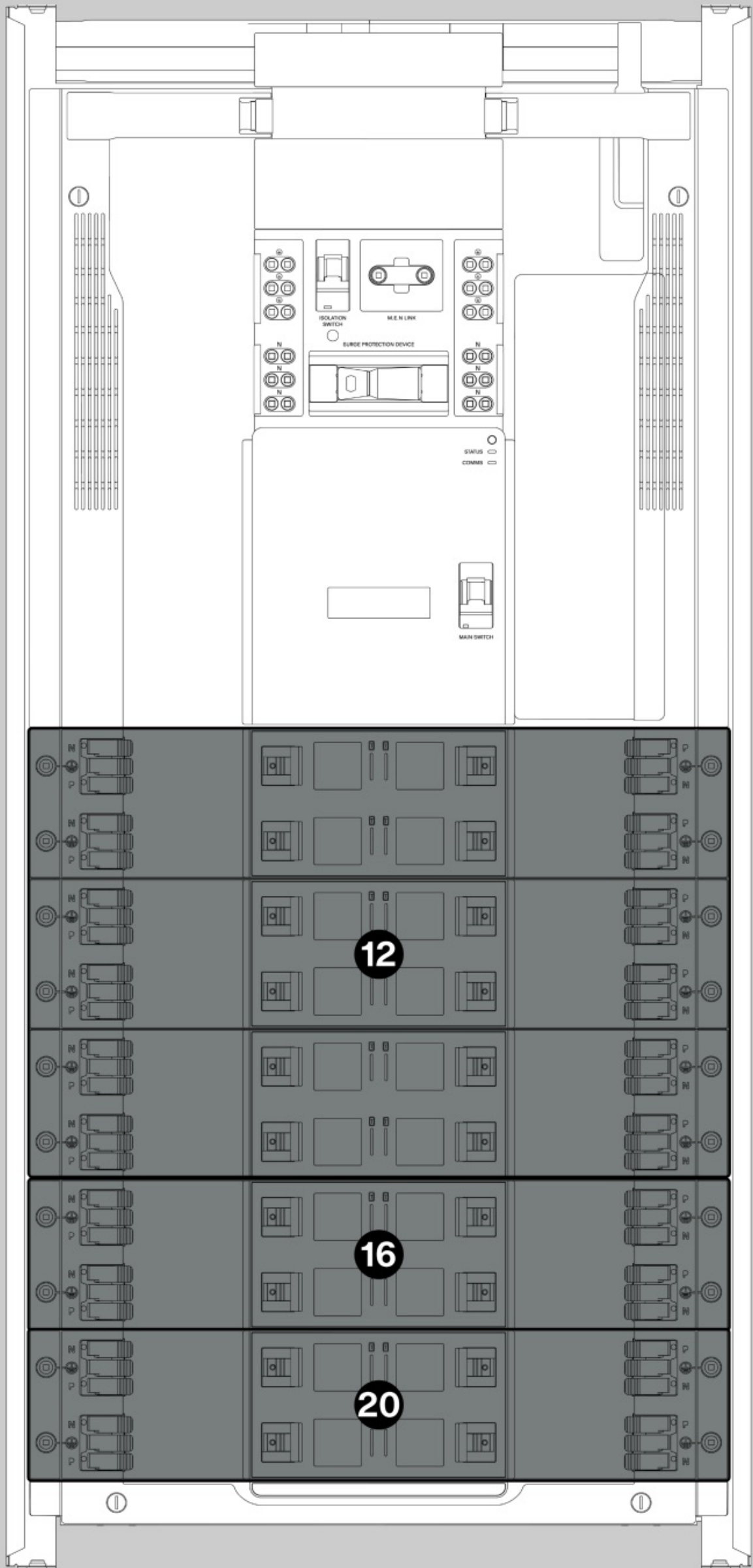


CAUTION - Basis Smart Panel weight is 22 kg.  
Safe manual handling techniques are recommended.

## 2. Unpacking

2.1 The Basis Smart Panel comes with 12 Circuits (3x Modules) from factory. Any additional Circuit Modules (1 or 2) will need to be installed separately.

- ! NOTICE - Additional Circuit Modules are supplied in a separate box,
- ! NOTICE - Additional Circuit Modules should be installed directly below the existing Circuit Modules in the Panel.

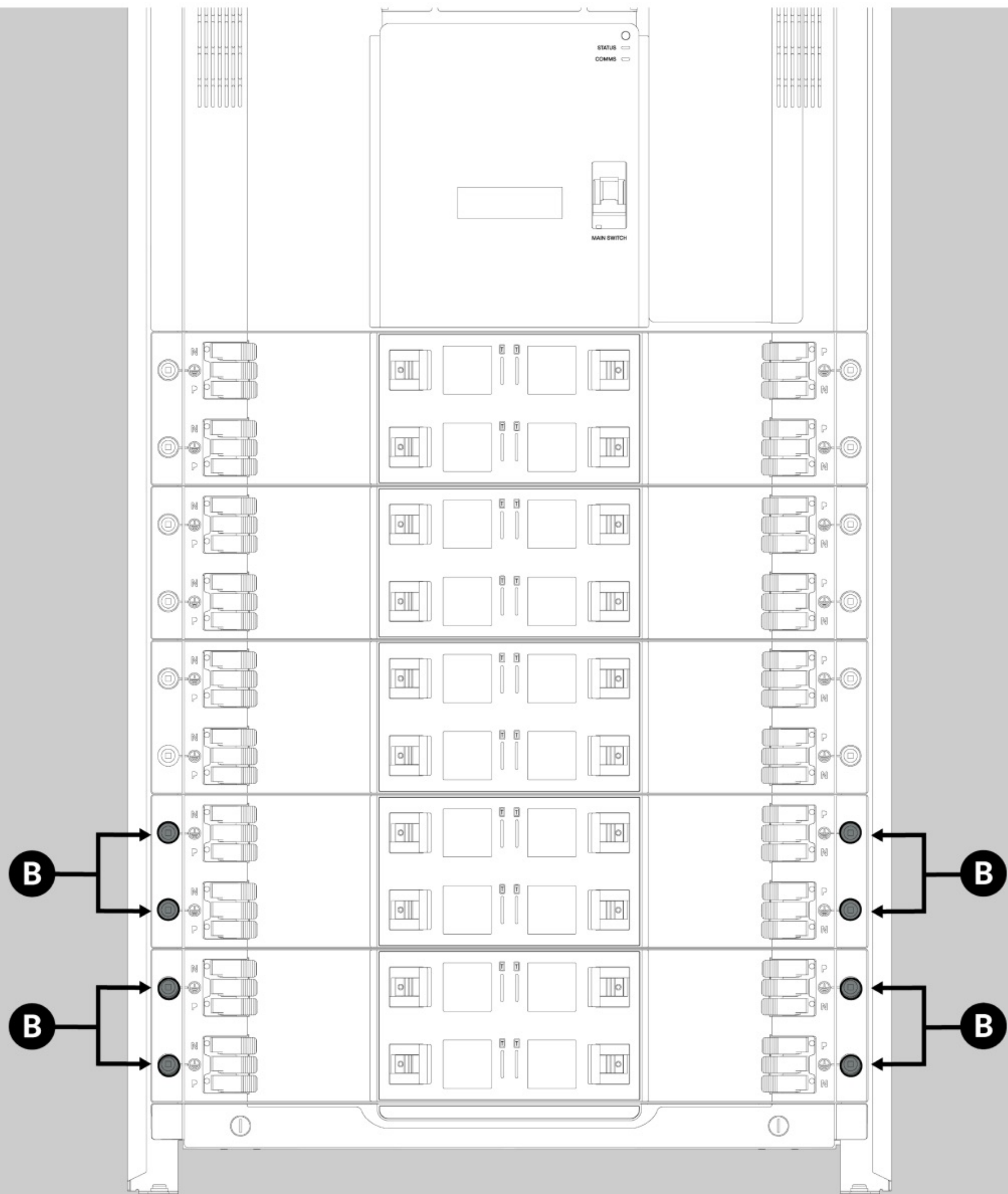
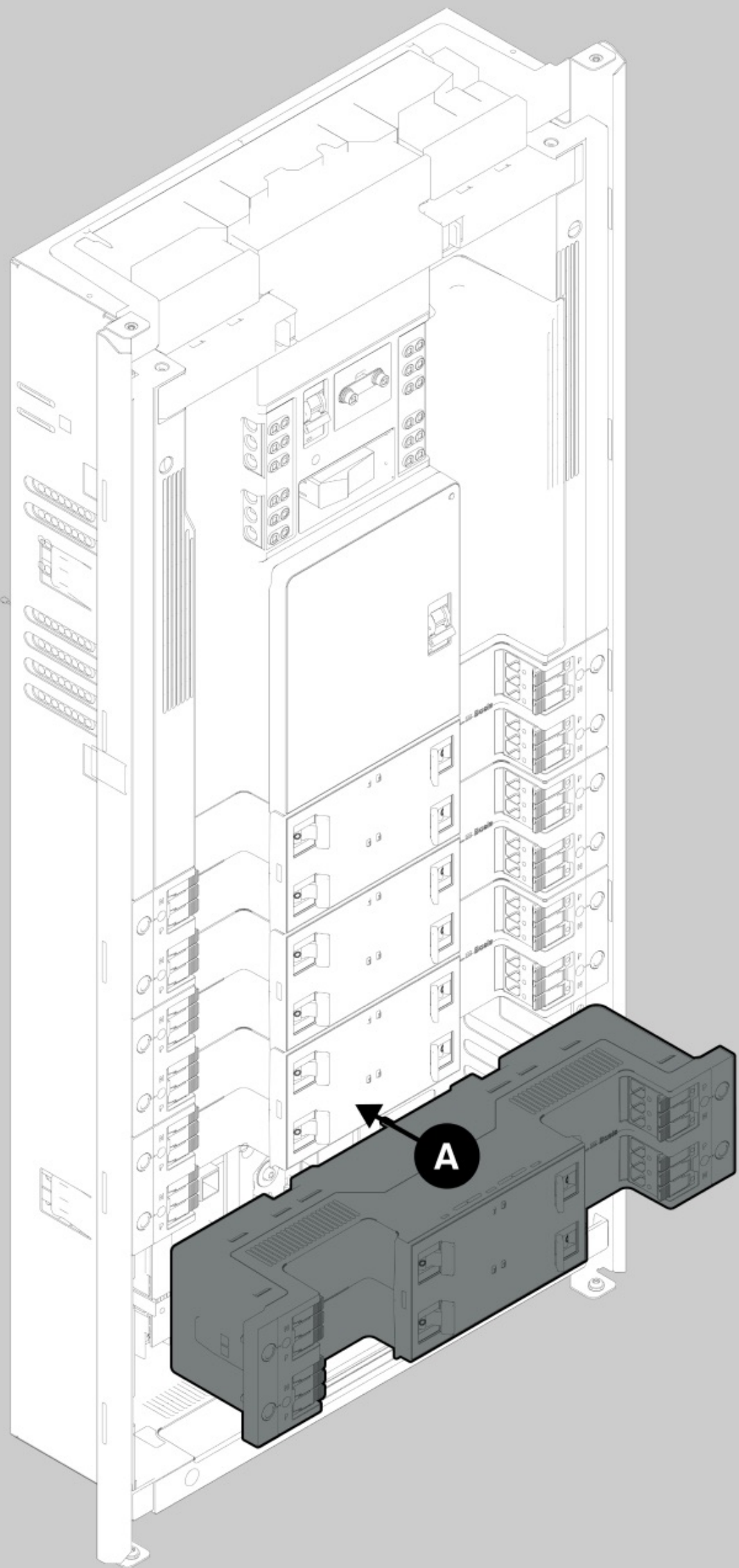


## 2. Unpacking

- 2.2
- A** Slot the new Circuit Module directly below the existing installed module.
  - B** Secure the 4x earth screws (per Circuit Module) to 2.5 Nm

 **DANGER** - Ensure torque requirements are met as under or over torquing could lead to an improper join of conducting busbars.

 **WARNING** - All wiring should be fit for purpose and connected according to local regulations or best practice.



**B** Recommended Torque - 2.5 Nm

## 2. Unpacking

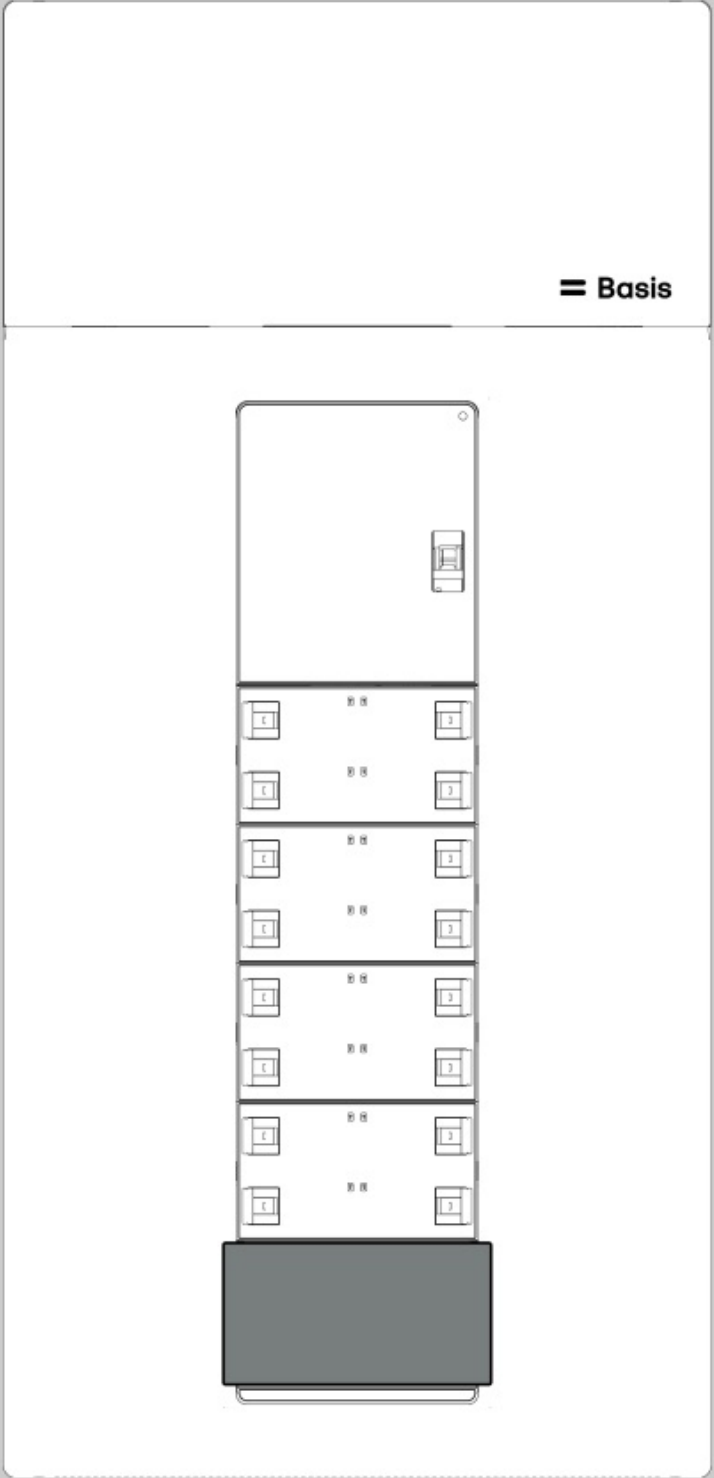
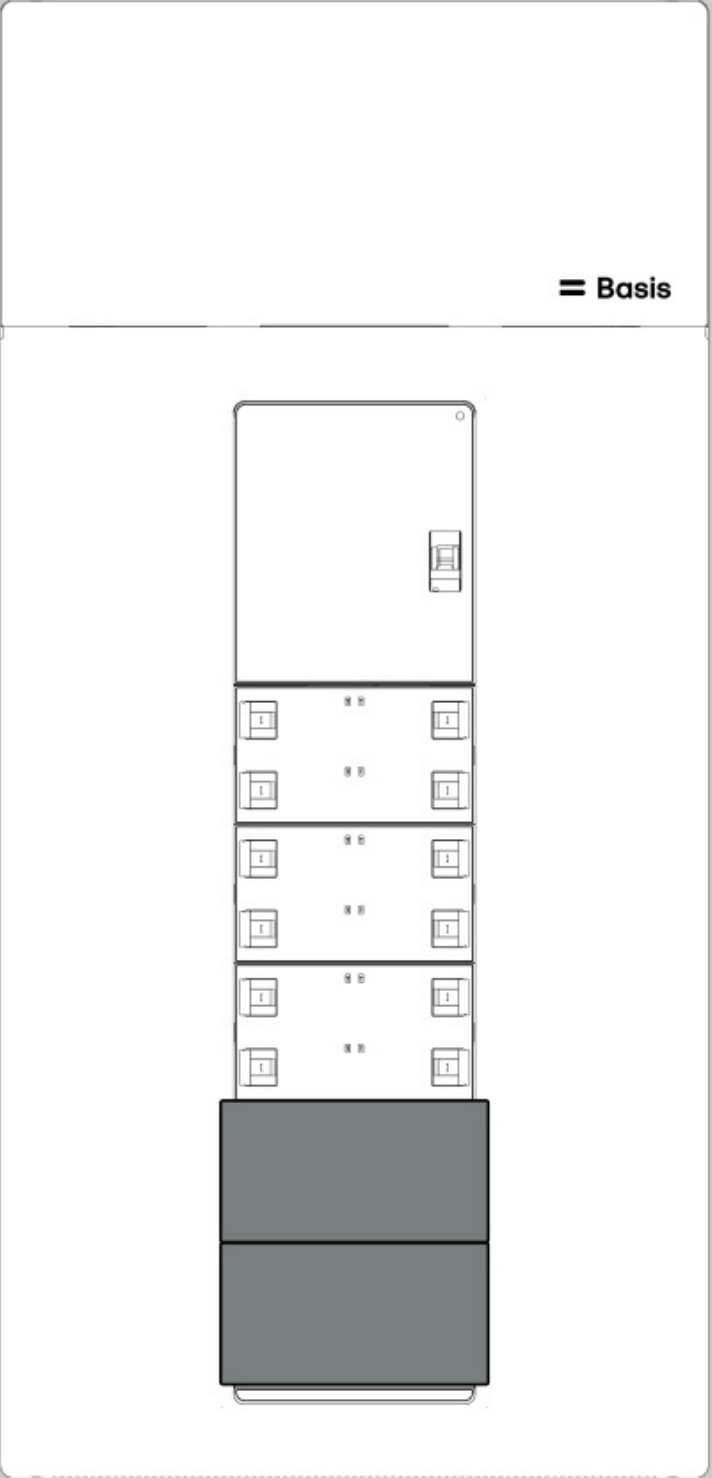
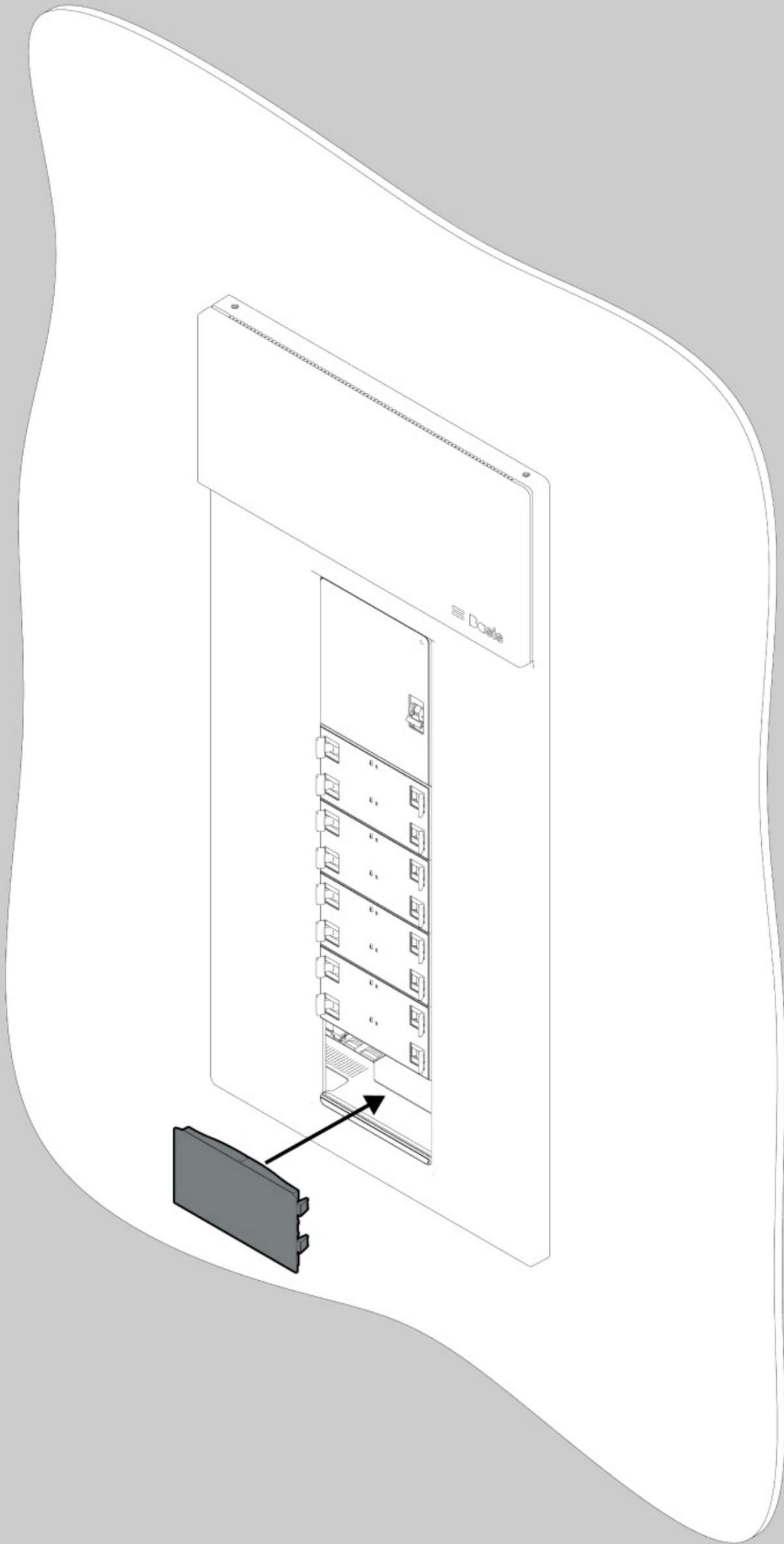
2.3 For 12 & 16 circuit configurations - Blanking Plate should be used to prevents access to the Phase Busbar when the panel is live.



DANGER: The Phase Busbar is exposed when there is a missing Circuit Module. Contact with it may cause injury or loss of life to persons, or damage to equipment



NOTICE - A Blanking Plate is fixed to the back of the Front Shell for repair situations.



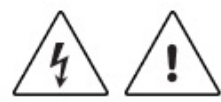
### 3 . Mounting & Prewiring

3.0 Determine mounting height of the Panel (B) based on the position of the Basis Panel Main Switch (A)

3.1 Add additional stud fixing to allow mounting of the wall bracket (C)



DANGER - The Smart Panel may not be installed in a damp environment such as a bathroom.



WARNING - The Basis Smart Panel is only allowed to be installed in a dry, indoors environments.



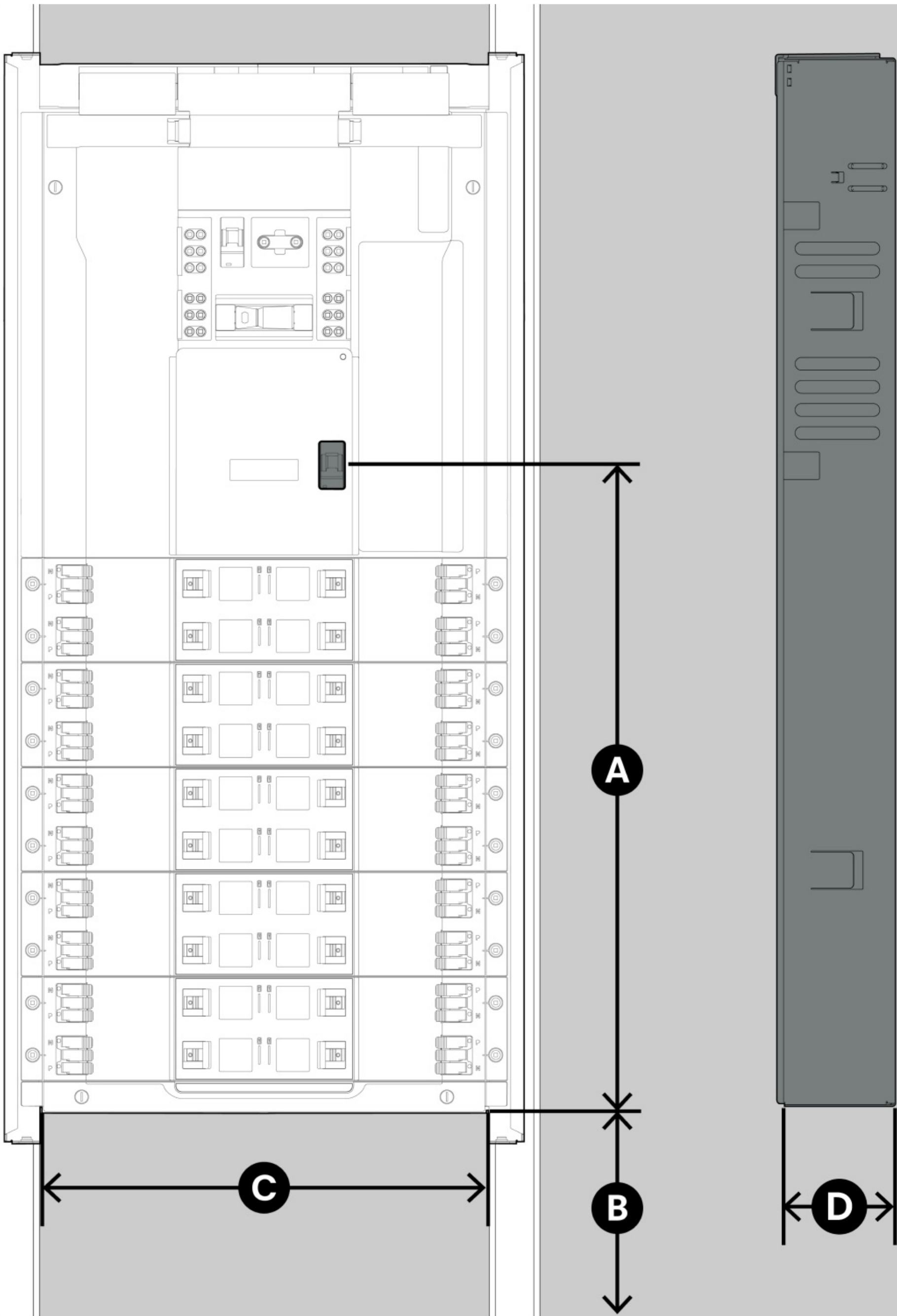
NOTICE - Ensure that the Smart Panel is mounted at a height where the Main switch is accessible and no higher than 2 meters.

**A** Main Switch Location  
(From base of Panel)  
500 mm

**B** Floor to Panel Height  
Based on homeowner  
requirements

**C** Stud Width (Inner)  
350 mm

**D** Wall Bracket Depth  
90 mm

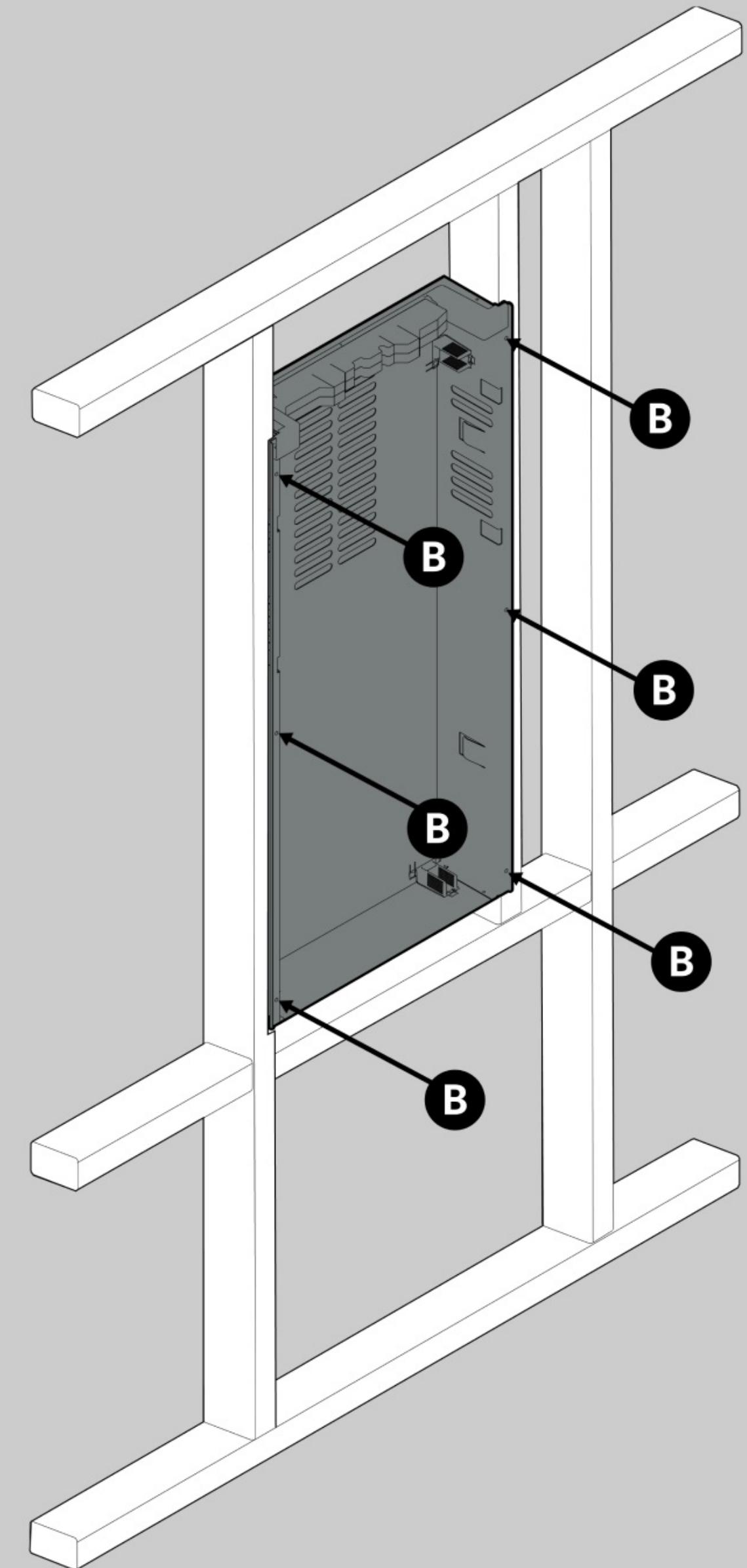
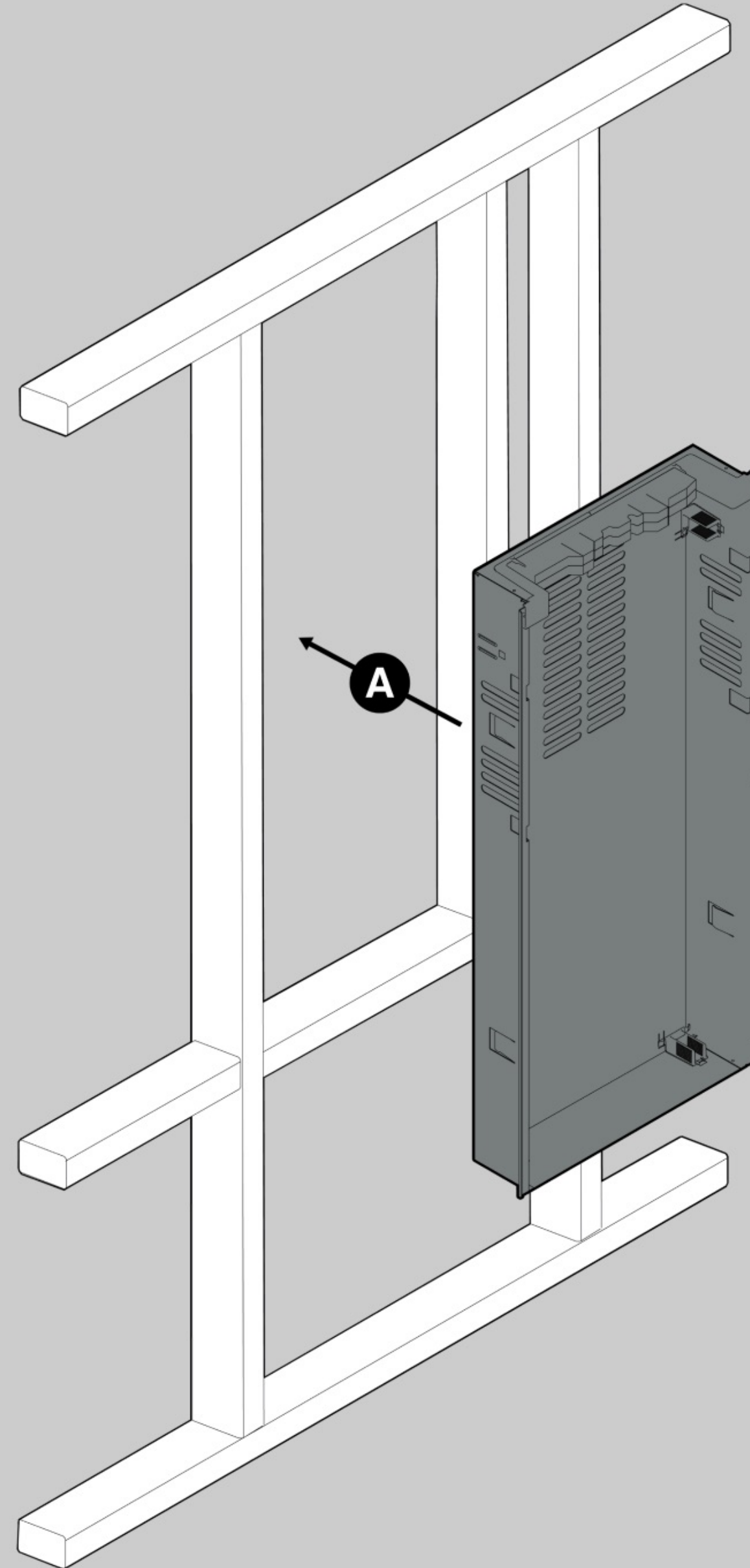


## 3. Mounting & Prewiring

### 3.2 Fix Wall Bracket Mount into place with 8G wood screws (6x)

! NOTICE - Installer should be equipped with appropriate PPE. This includes safety glasses, steel capped shoes and CAT IV insulated tools.

! NOTICE - 8G wood screws are not supplied



## 3. Mounting & Prewiring

### 3.3 Prep mains supply cable and circuit cables as shown.

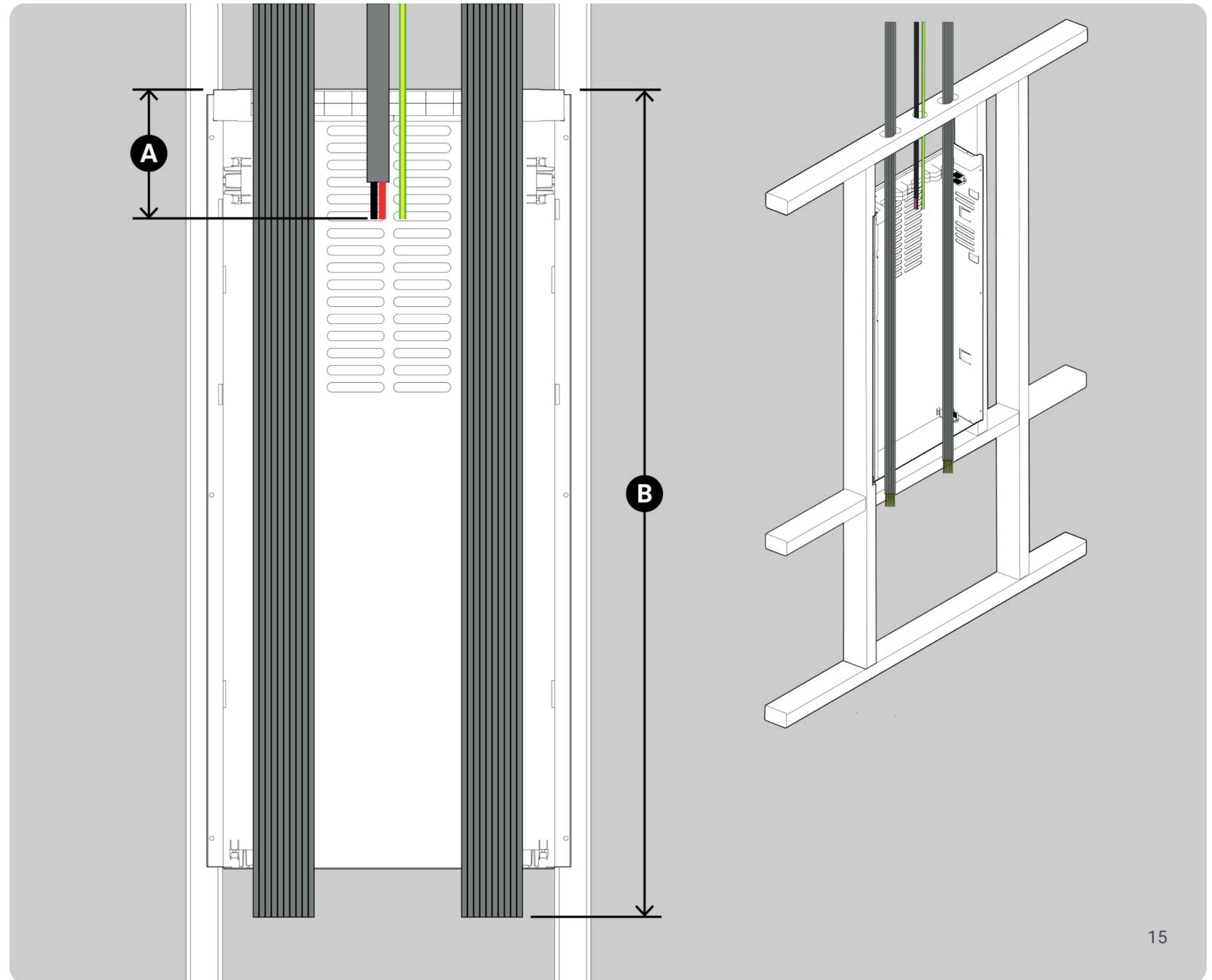
As the Panel height may vary, the minimum lengths are taken from the top edge of the wall bracket.

**A** Consumer Mains Cable  
130 mm

**B** Circuit Cables  
840 mm



WARNING - Using heat to remove shielding or to heat shrink cables should only be done at this stage prior to the panel being installed as to avoid any damage.



## 3. Mounting & Prewiring

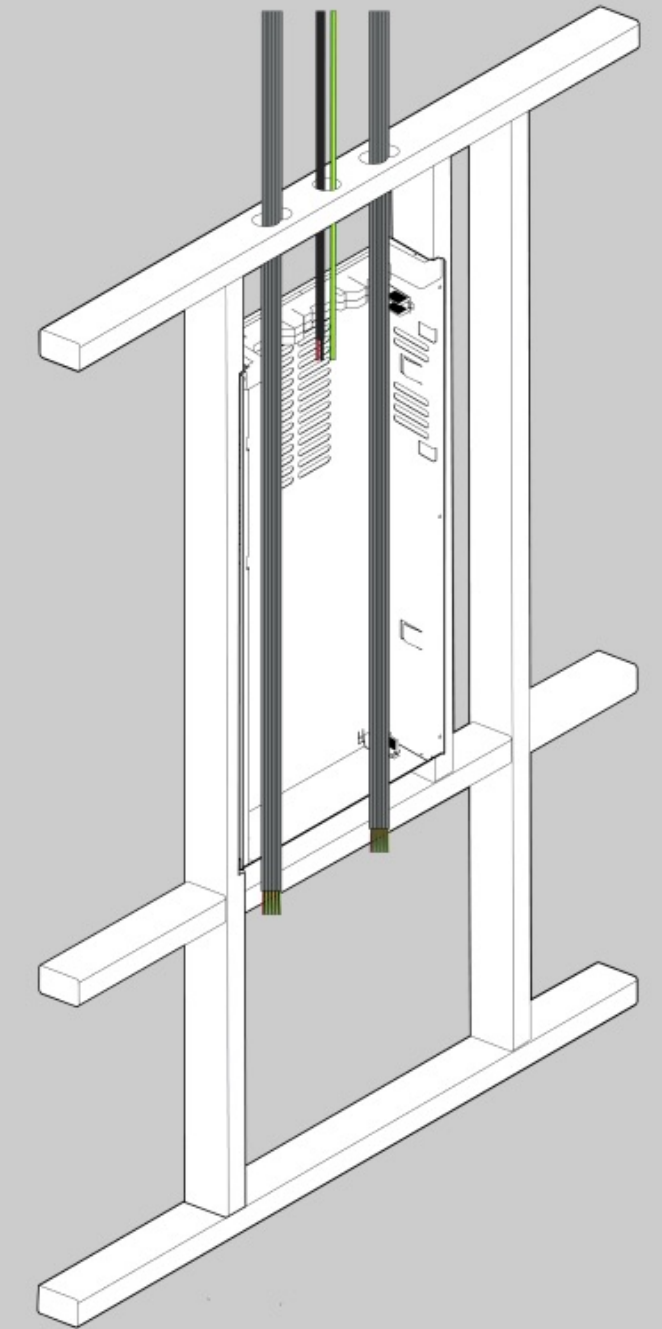
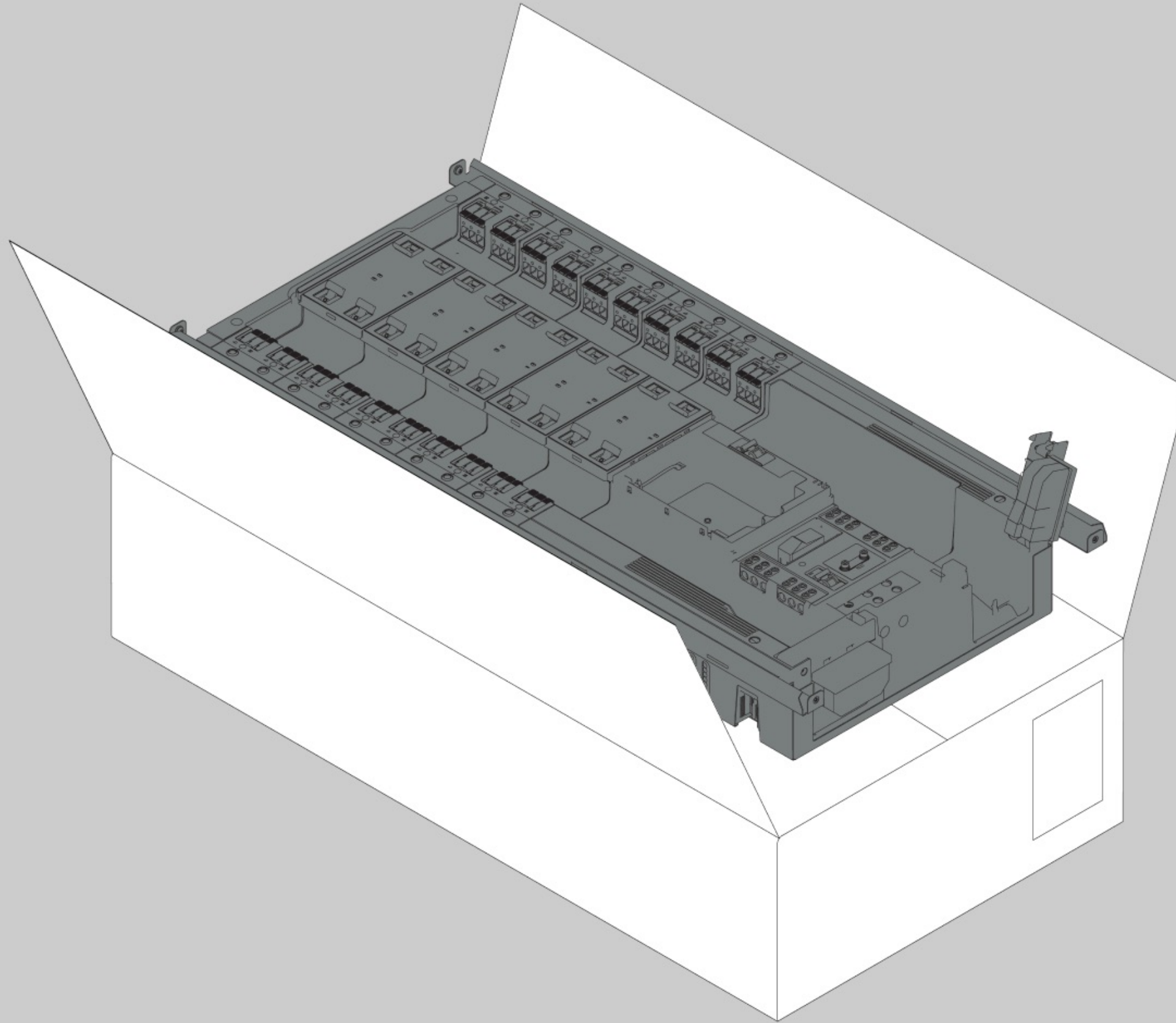
- 3.4 This is the stopping point for the wall lining or if the panel is to be fitted at a later time. Ensure that the Basis Smart Panel is stored back in the original box so that it is not damaged



CAUTION - Basis Smart Panel weight is 22 kg.  
Safe manual handling techniques are recommended.



NOTICE: Be cautious of inadvertent damage when doing works in the vicinity of the Wall Bracket Mount or Basis Smart Panel



### 3 . Mounting & Prewiring

#### 3.5 Cut out and install the plasterboard around the panel

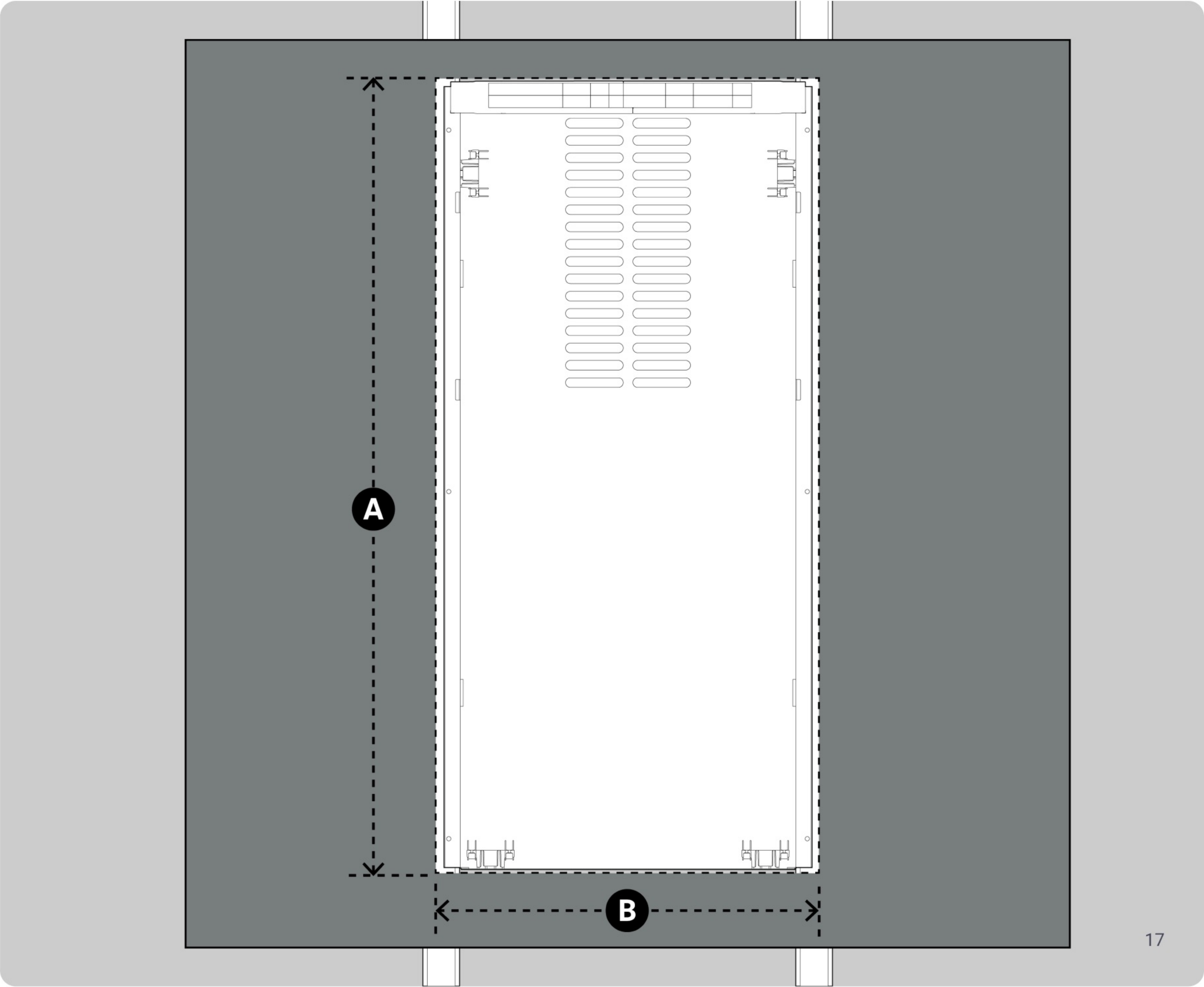
**A** Height  
825 mm

**B** Width  
385 mm

 **WARNING:** Ensure the product is free from building materials such as plasterboard dust.

**!** **NOTICE:** Panel can be installed on 6-13mm plasterboard thicknesses

**!** **NOTICE:** It is important that the cutout is close fitting around the wall bracket to avoid any visible gaps when applying the finishing covers and panels

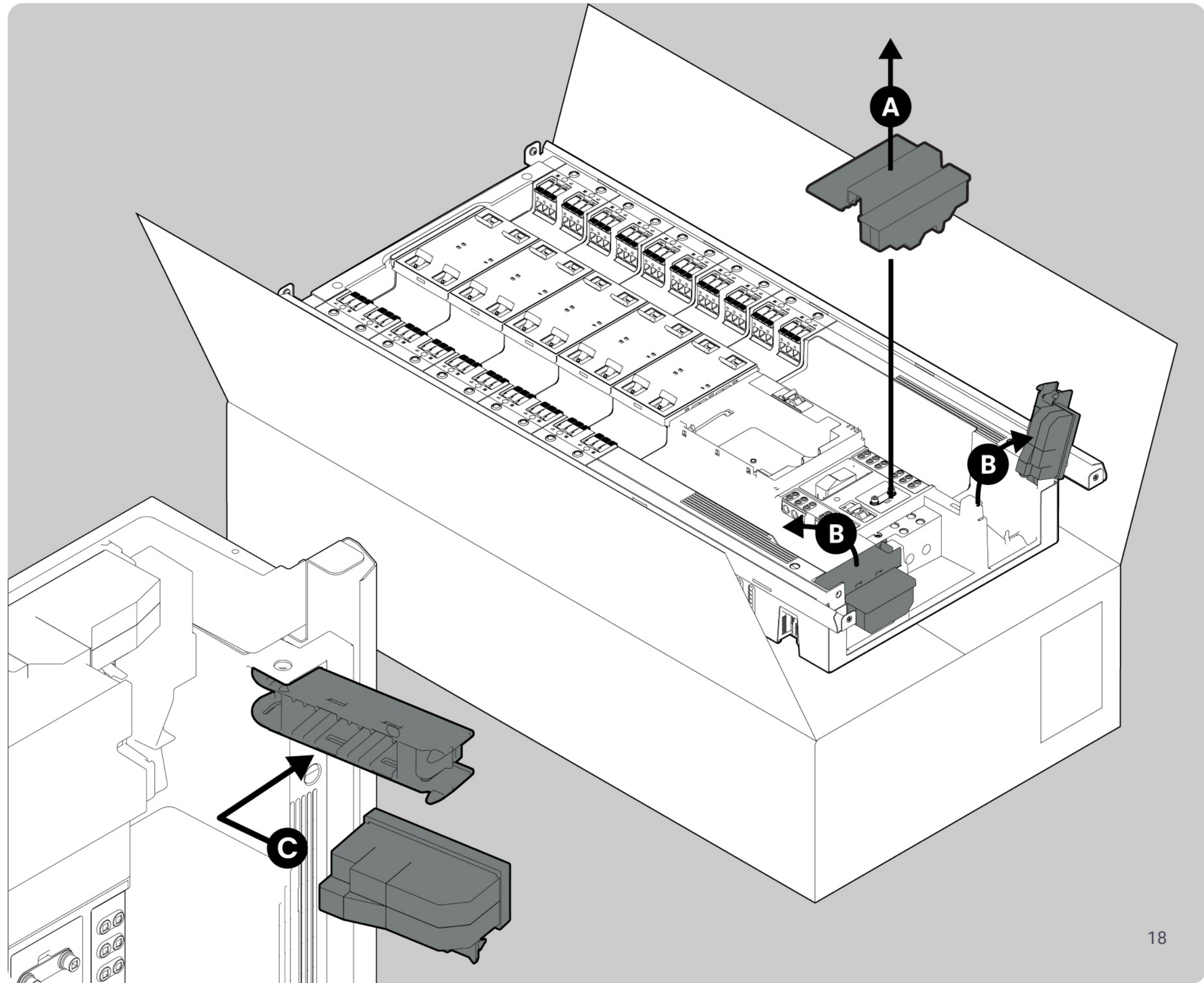


## 3. Mounting & Prewiring

### 3.6 Premounting steps -

- A** Remove the Main Supply Cover
- B** Open the Cable Clamps
- C** Fit (2x) Cable Foam into Clamps

! NOTICE: The Cable Clamps can unseat themselves if excessive force is applied. These are easily popped back in if undamaged.



## 3. Mounting & Prewiring

### 3.7 To mount the Smart Panel -

- A** Leading from the top edge, slide the panel into the wall bracket. It should click into the 4 attachment points.
- B** Secure the panel to the wall bracket by locking the 4 locking screws



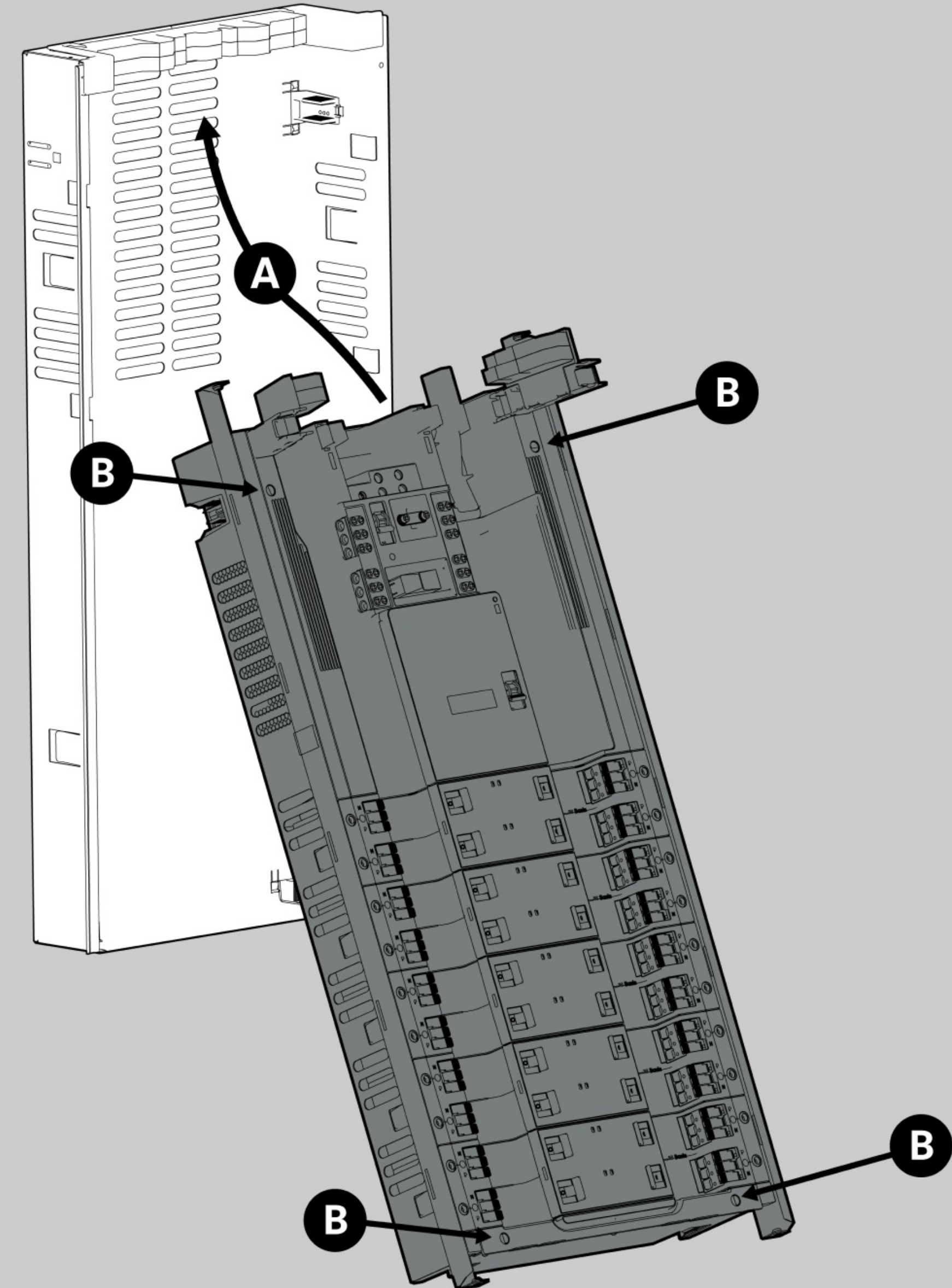
**WARNING** - If the primary enclosure is not mounted properly to the wall bracket, there may be extra strain on the wires which could potentially damage them and cause an electrocution or fire risk



**CAUTION** - Basis Smart Panel weight is 22 kg.  
Safe manual handling techniques are recommended.



**NOTICE** - Be cautious of inadvertent damage when doing works in the vicinity of the Wall Bracket Mount or Basis Smart Panel



# 4 . Termination & Livening

## 4.0 Terminate consumer mains supply conductors (P+N) and Main Earthing Conductor (M.E.C)

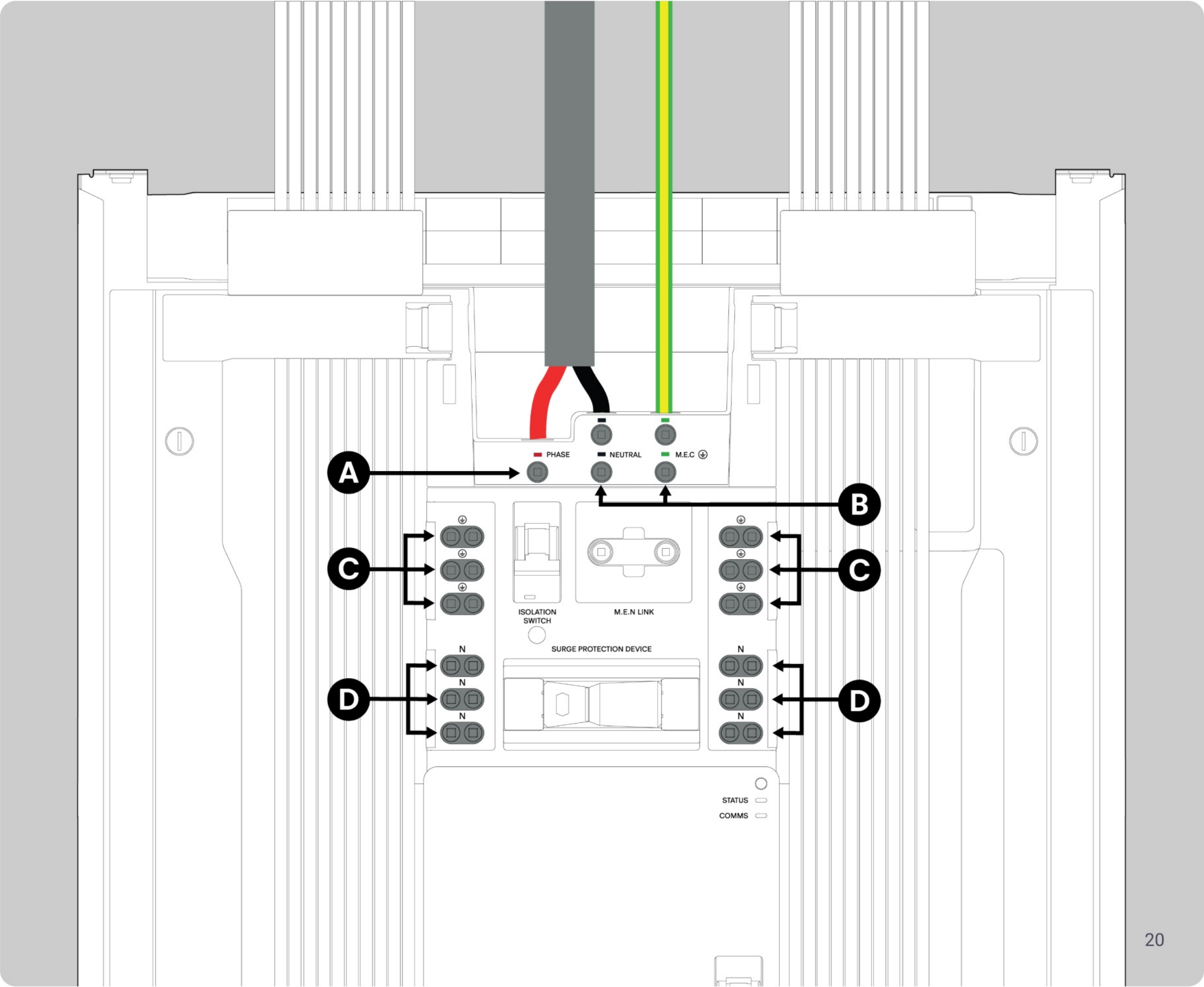
### Strip Length & Torque

- A** Phase - 15 mm, 3.5 Nm
- B** Neutral & M.E.C - 25 mm, 2.5 Nm
- C** Neutral Terminal Block - 20 mm, 2 Nm
- D** Earth Terminal Block - 20 mm, 2 Nm

 **DANGER** - Ensure torque requirement are met as under or over torquing could lead to an improper join of conducting busbars.

 **WARNING** - All wiring should be fit for purpose and connected according to local regulations or best practice.

**!** **NOTICE** - Supply Neutral & MEC screws can fall out if backed out too far

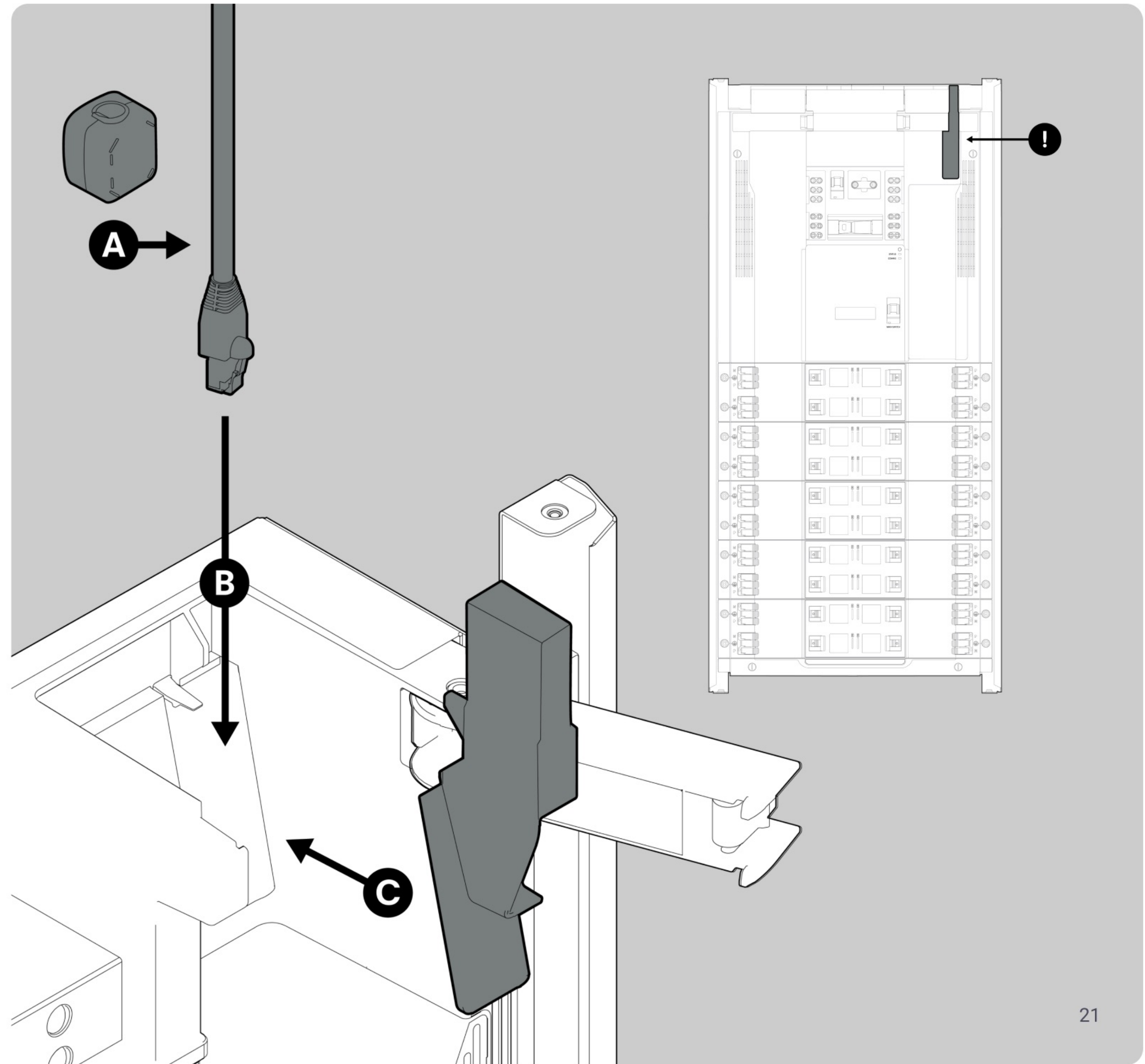


## 4. Termination & Livening

### 4.1 Wired Connection (Optional) -

A wired connection is preferred when it's practical to run an ethernet cable between the Panel and a LAN port on a home internet gateway.

- A** Remove Ethernet Cover by pulling it towards yourself using the top edge
- B** Clip the ferrite core onto the ethernet cable (shielded) and connect it to the panel
- C** Securely fit the Ethernet Cover back onto the panel

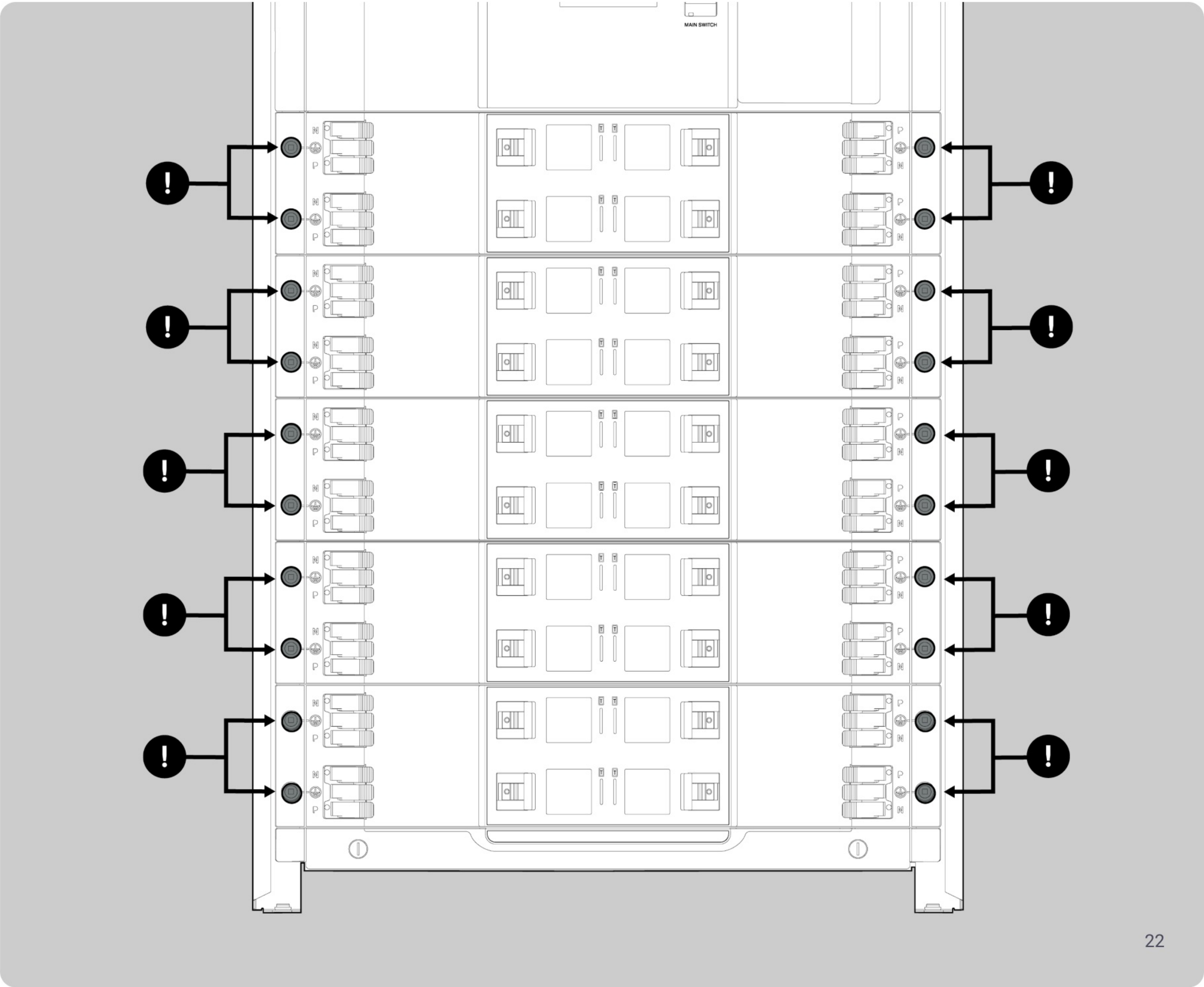


# 4 . Termination & Livening

4.2 Check the earth screws are secure and not loose on either side of each Circuit Module. These are factory tightened to 2.5 Nm

! Required Torque - 2.5 Nm

⚡ ! DANGER - Ensure torque requirement are met as under or over torquing could lead to an improper join of conducting busbars.



# 4 . Termination & Livening

## 4.3 Cut and strip the cables to the correct length before terminating

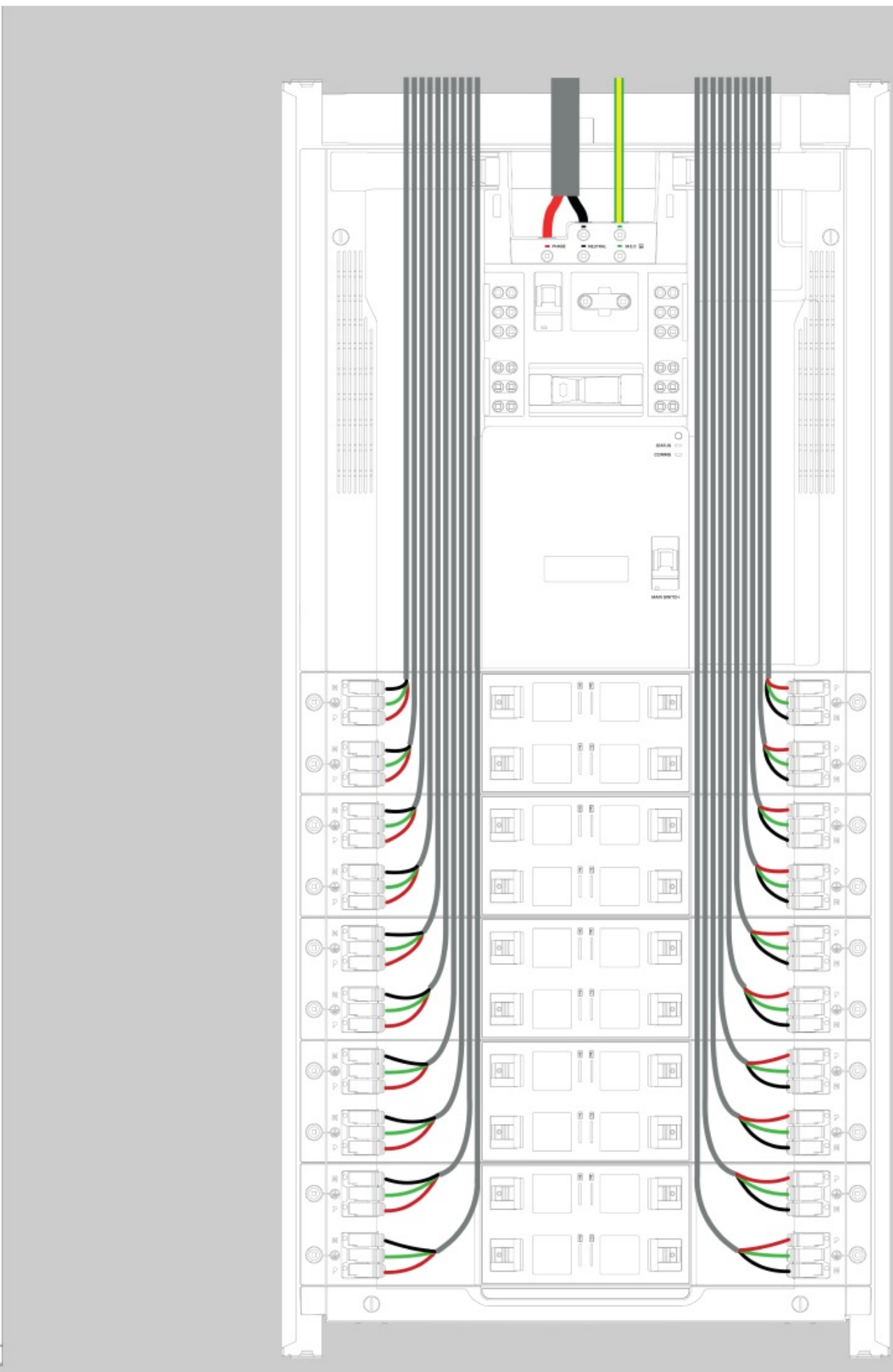
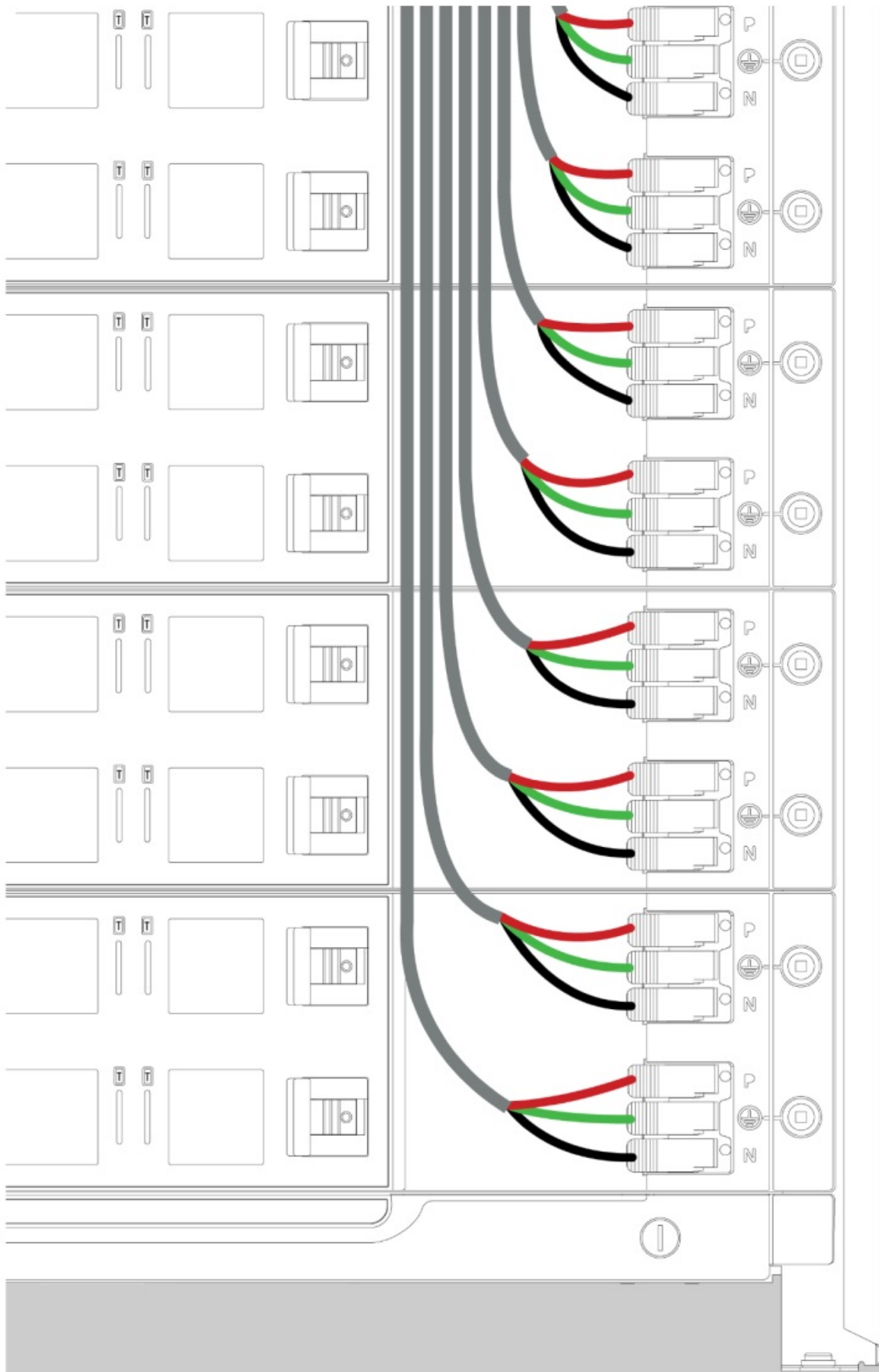


WARNING - All wiring should be fit for purpose and connected according to local regulations or best practice



CAUTION - Avoid over bending spring lever terminals. Excessive force applied even to one will result in an entire Circuit Module replacement

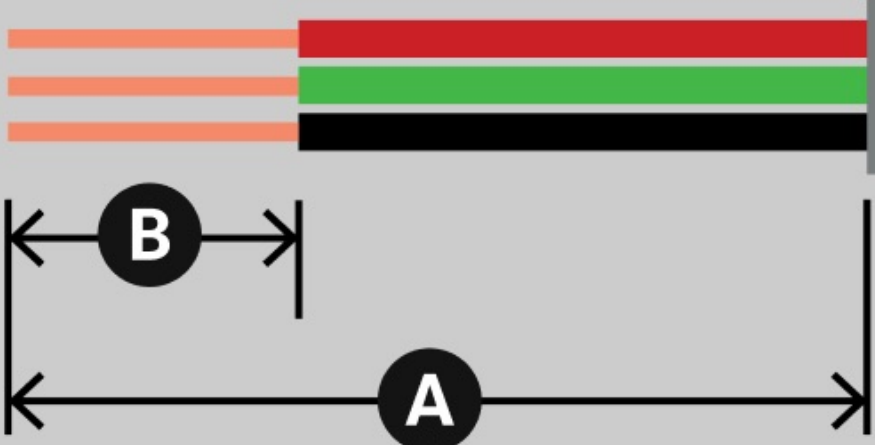
- ! NOTICE - Perform a quick pull test to make sure the wire is properly terminated
- ! NOTICE - Load terminals can support, but don't require, folded or twisted conductors, provided the conductor cross section is no greater than 10 mm<sup>2</sup> (8 AWG).
- ! NOTICE - Thicker/higher current cables should be terminated at the bottom most Circuit Modules for optimal heat displacement of the Smart Panel.
- ! NOTICE - Any DER (Distributed Energy Resource) must be connected to the bottom most Circuit Module to prevent the currents flowing through the bus bar from exceeding the limit. This notice should take precedence over the highest-load circuits.



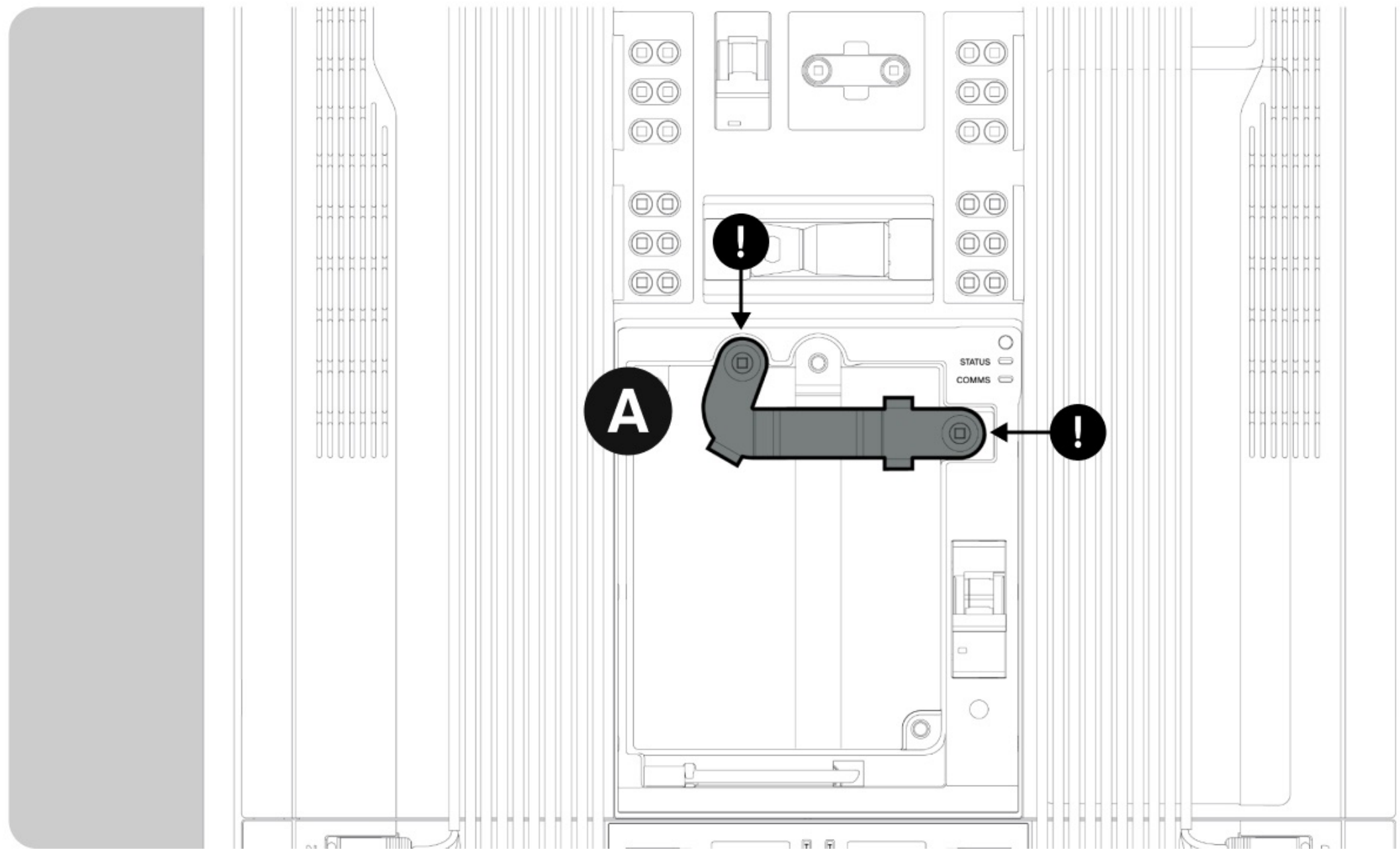
### Strip Lengths

**A** Over 40 mm

**B** 20 mm



# 4 . Termination & Livening



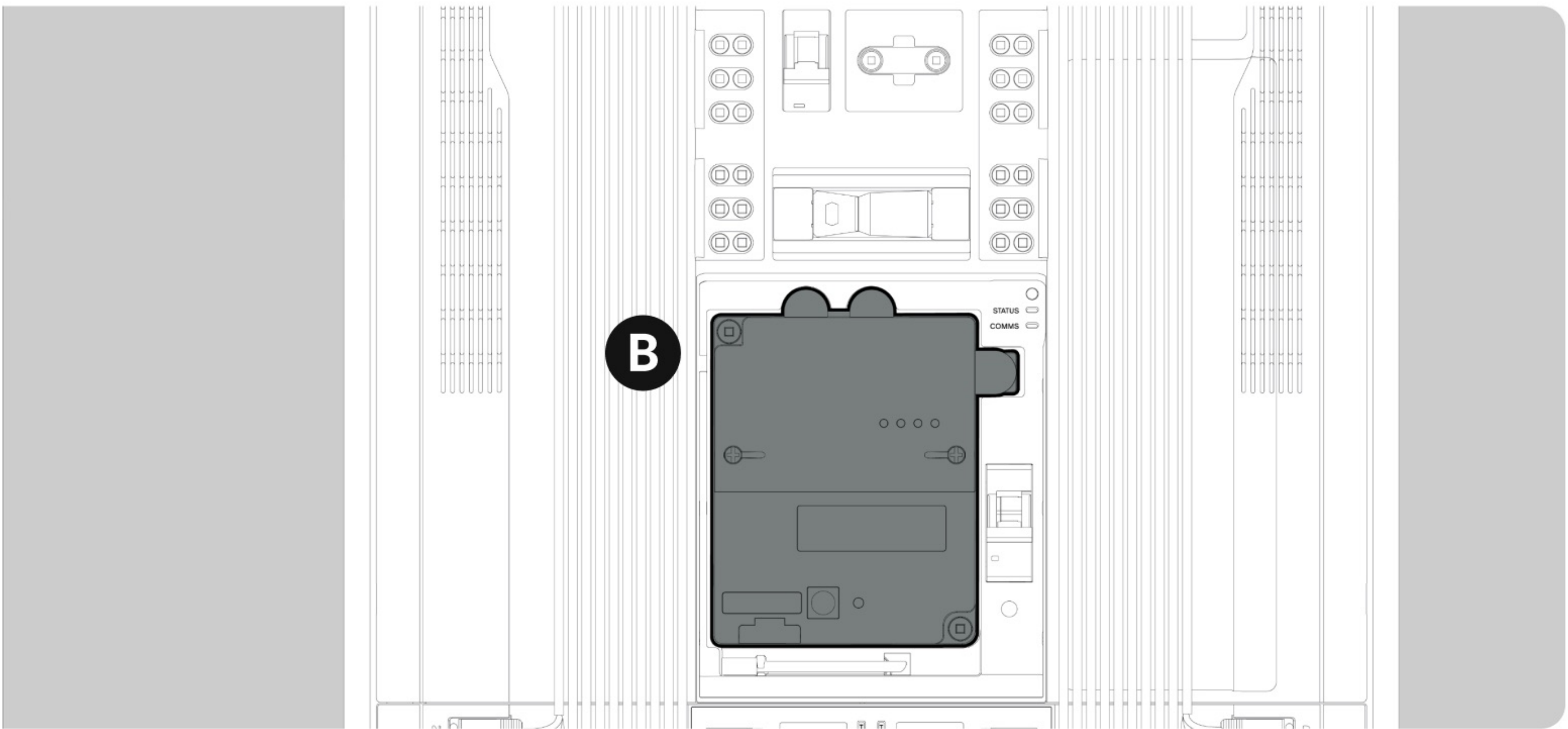
## 4.4 A. If Installing as a subpanel -

The Phase bridge busbar should be pre-installed from factory.

Check the two screws are secure and not loose on either side of the bus bar before proceeding to the next step. These are factory tightened to 2.5 Nm

 Required Torque - 2.5 Nm

 DANGER: Ensure torque requirement are met as under or over torquing could lead to an improper join of conducting busbars.



## 4.4 B. If installing with a Basis Meter -

Refer to the Basis Meter Installation Guide for more instruction

 DANGER: The Basis Meter must only be installed, serviced, and disassembled by qualified personnel. Only qualified personnel may connect the Basis Meter to the utility grid. Perform all electrical installation in accordance with all applicable local wiring rules, such as the AS/NZS 3000.

## 4. Termination & Liveness

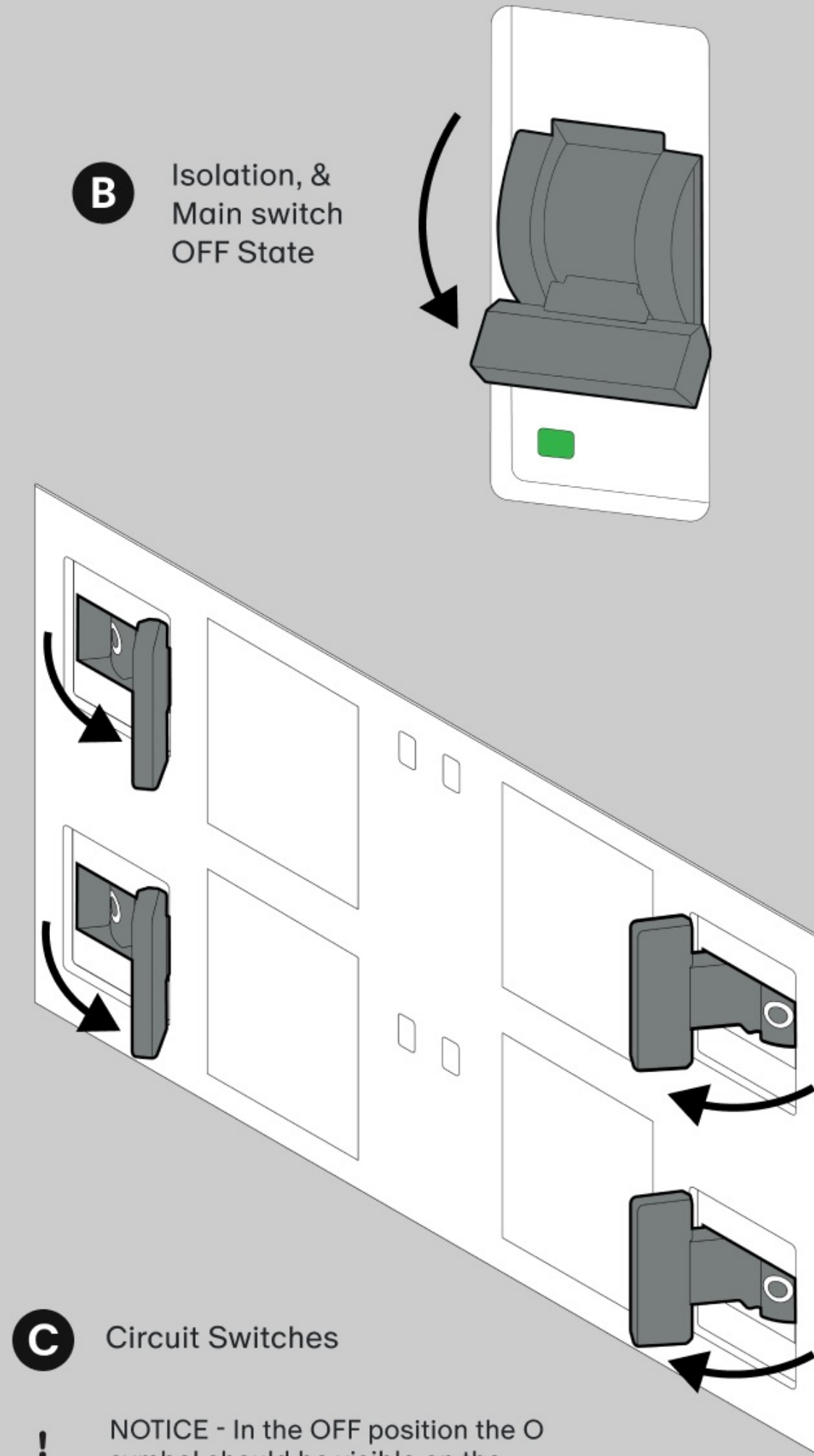
## 4.5 Prelivening Checks

Before turning the supply on to the Basis Smart Panel, ensure the following:

- A** Mains Supply Zone  
Check electrical connections and ensure that the cover is properly secured back on
- B** Isolation & Main Switch  
Ensure that the Isolation, & Main switches are all in the OFF position
- C** Circuit Switches  
Ensure that the all the Circuit switches are all in the OFF position

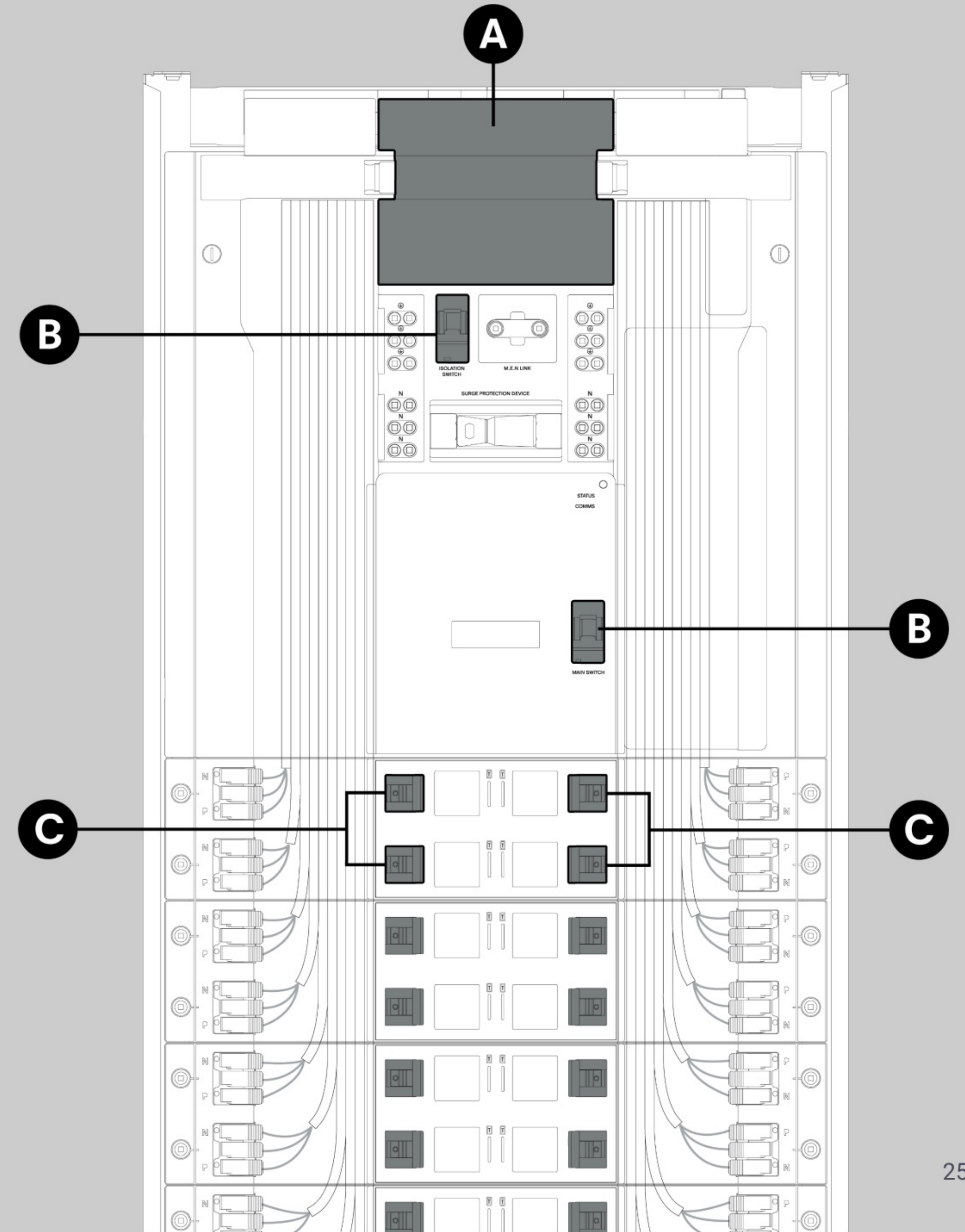


**WARNING** - Avoid applying excessive force to the breakers or switch toggle



## C Circuit Switches

**!** NOTICE - In the OFF position the O symbol should be visible on the Circuit Toggles



# 4 . Termination & Livening

## 4.6 Prelivening Checks

- D

MEN Link

Check electrical connections

!

NOTICE: The screws of the MEN link are not captured. Take care when uninstalling.
- E

Surge Protection Device (SPD)

Check device is fitted and indicator is green.
- F

Dust and debris

Ensure that there is no dust and debris from the installation before the livening of the panel

⚡

!

WARNING - Avoid ingress of dust particles via environment or cleaning procedures such as compressed air

⚡

!

WARNING - Avoid use of liquids, gels, cleaning solvents or aerosols on the Smart Panel

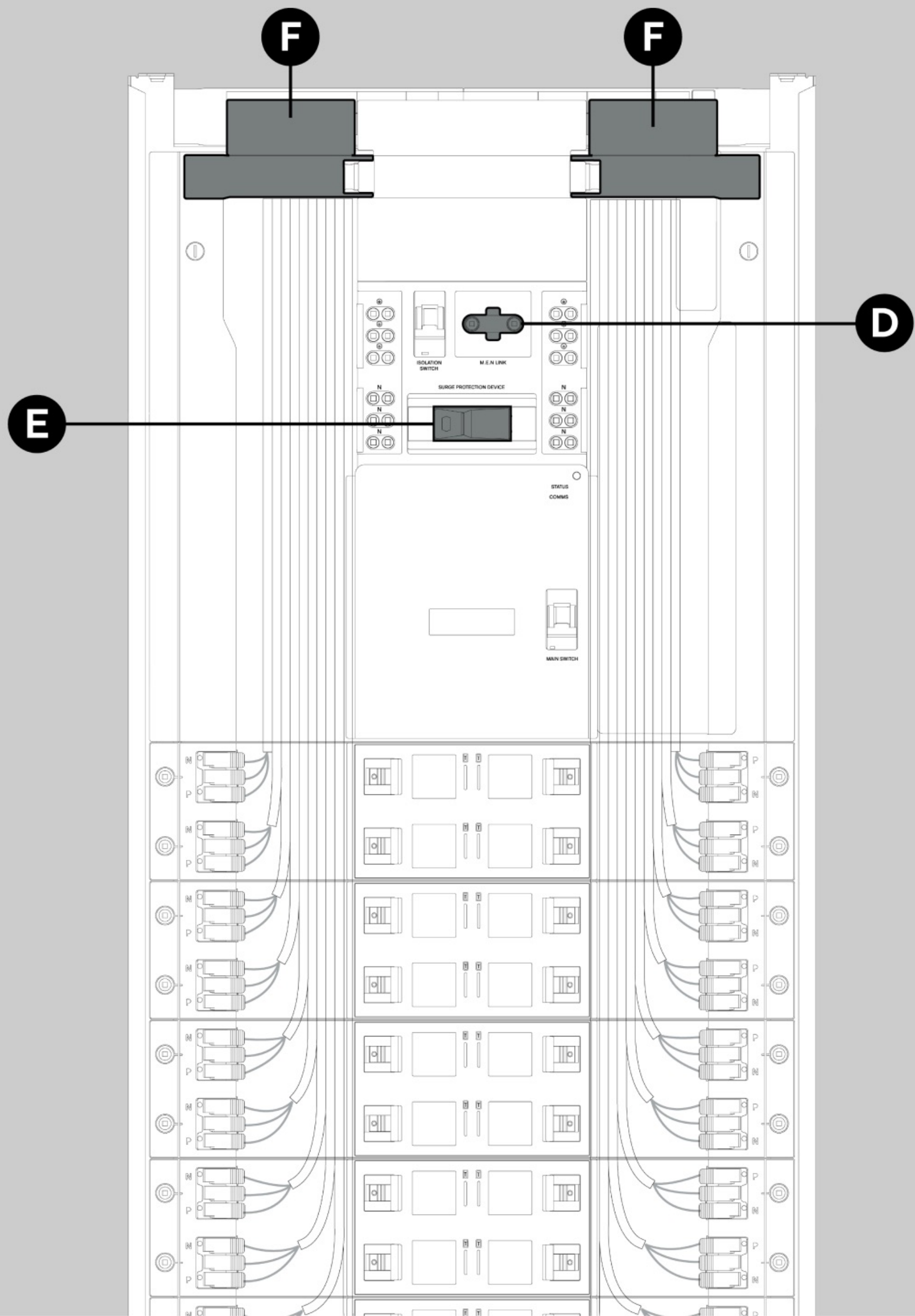
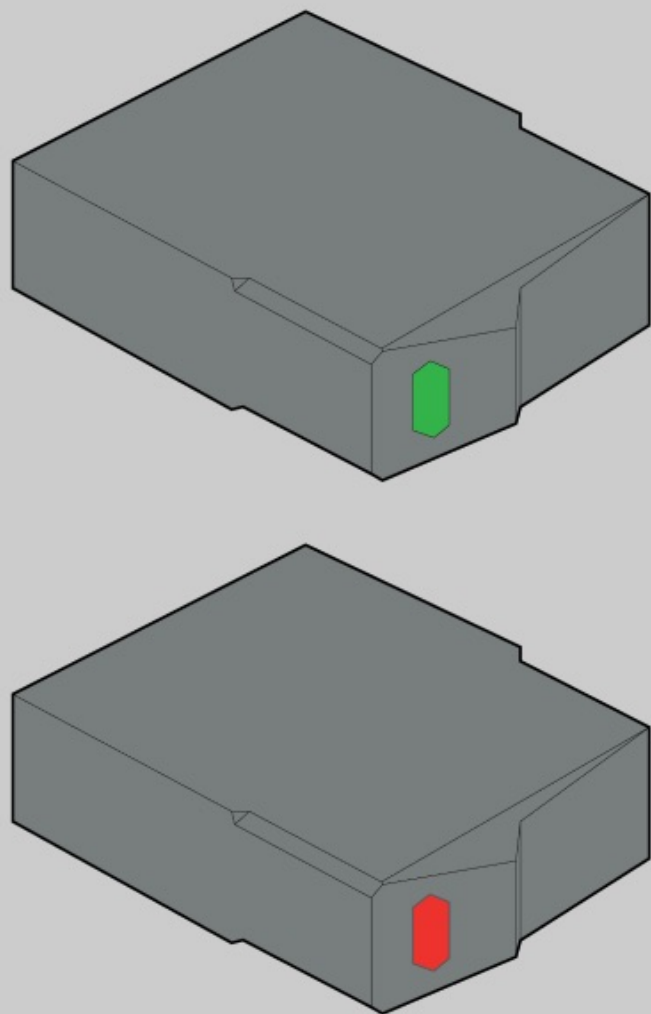
E

Surge Protection Device (SPD)

⚡

!

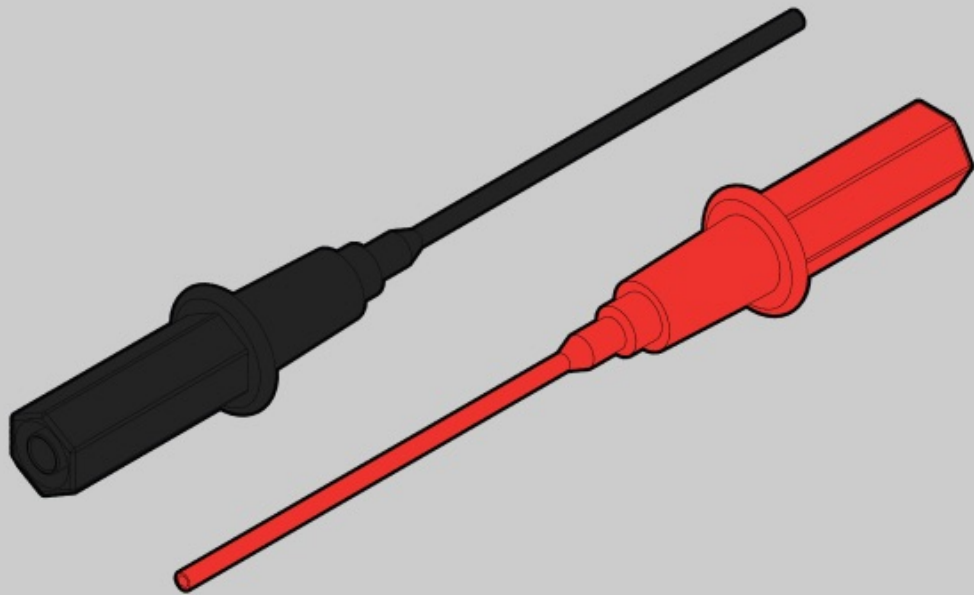
WARNING - The SPD does not protect against multiple surge events. If the indicator is RED - replace the SPD following the Replacement & Troubleshooting guide on [wearebasis.com/documents](http://wearebasis.com/documents)



# 4 . Termination & Livening

## 4.7 Prelivening Tests

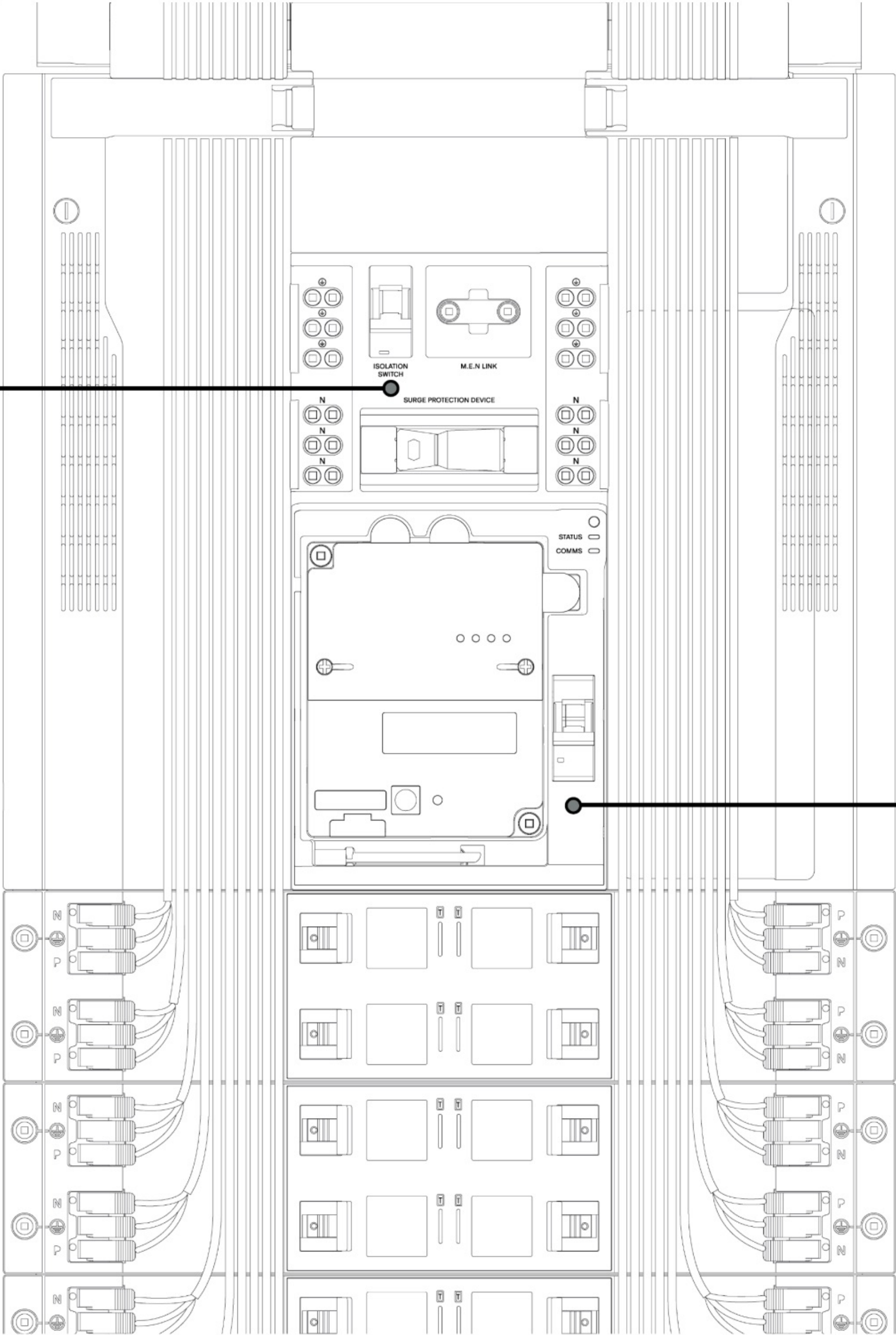
- A** Isolation Switch Load-side Test Point  
Check electrical connections
- B** Main Switch Test Point  
Check electrical connections



! NOTICE - The test points have a diameter of 2.9 mm and a depth of 40.5 mm. An E-Z Probe 67 or an equivalent option would be suitable and can be sourced from BASIS.

**G**

**H**

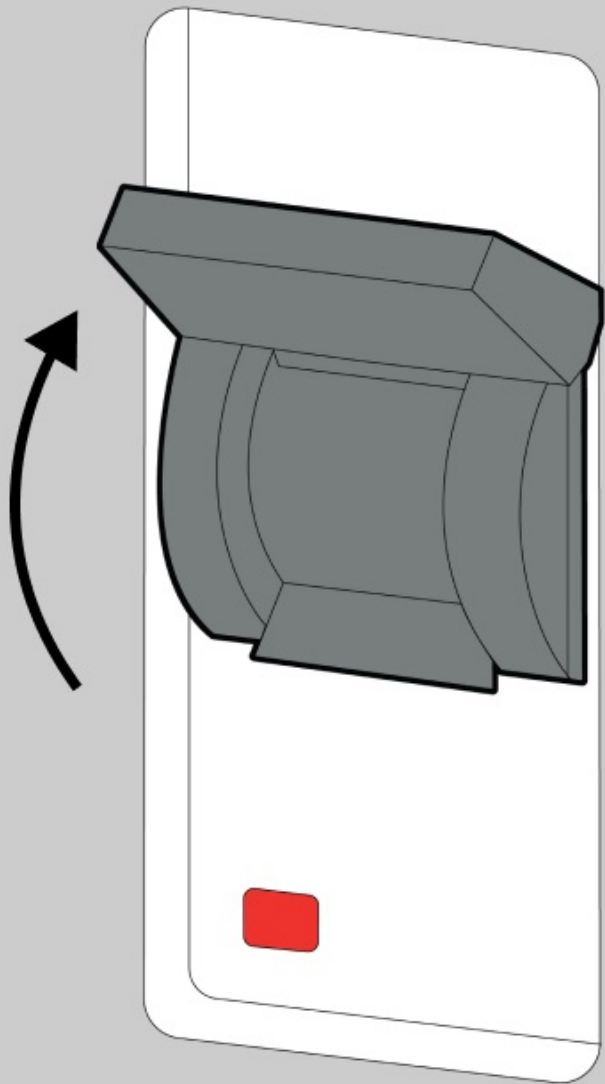


# 4 . Termination & Livening

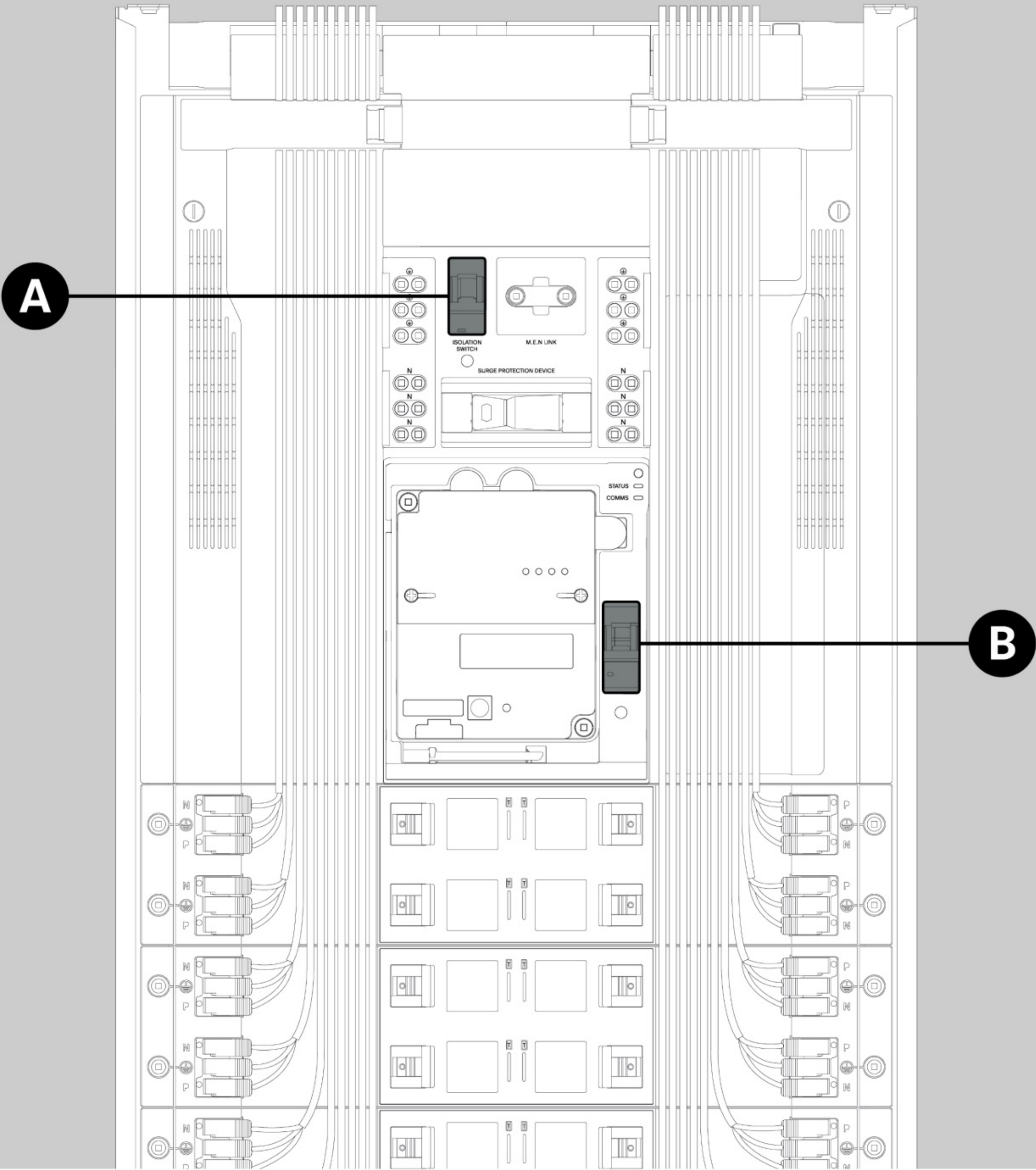
## 4.8 Livening

Turn on the supply by switching the Isolation switch and Main switch back ON

! NOTICE - You should hear the power-up delay relay make a “click” noise as it engages (1-2 second delay)



**A** **B** Isolation, & Main switch ON State



# 5 . Configuration

5.0 Connect to the Basis Smart Panel. Configuration of the circuits is carried out through the Basis Trade App.



Download the app via the QR Code



WARNING: Configuration of fault protection settings i.e. MCB, RCD, AFDD is legally described as “electrical work”, which is only legally permitted for licensed, competent persons to perform.



NOTICE: For MCB configuration to support submain application, the neutral of the load side must be connected to the neutral terminal blocks at the top of the Smart Panel.”



NOTICE: The Smart Panel contains general type RCBOs only, not Type 1 RCBOs. This product is not suitable for patient areas.

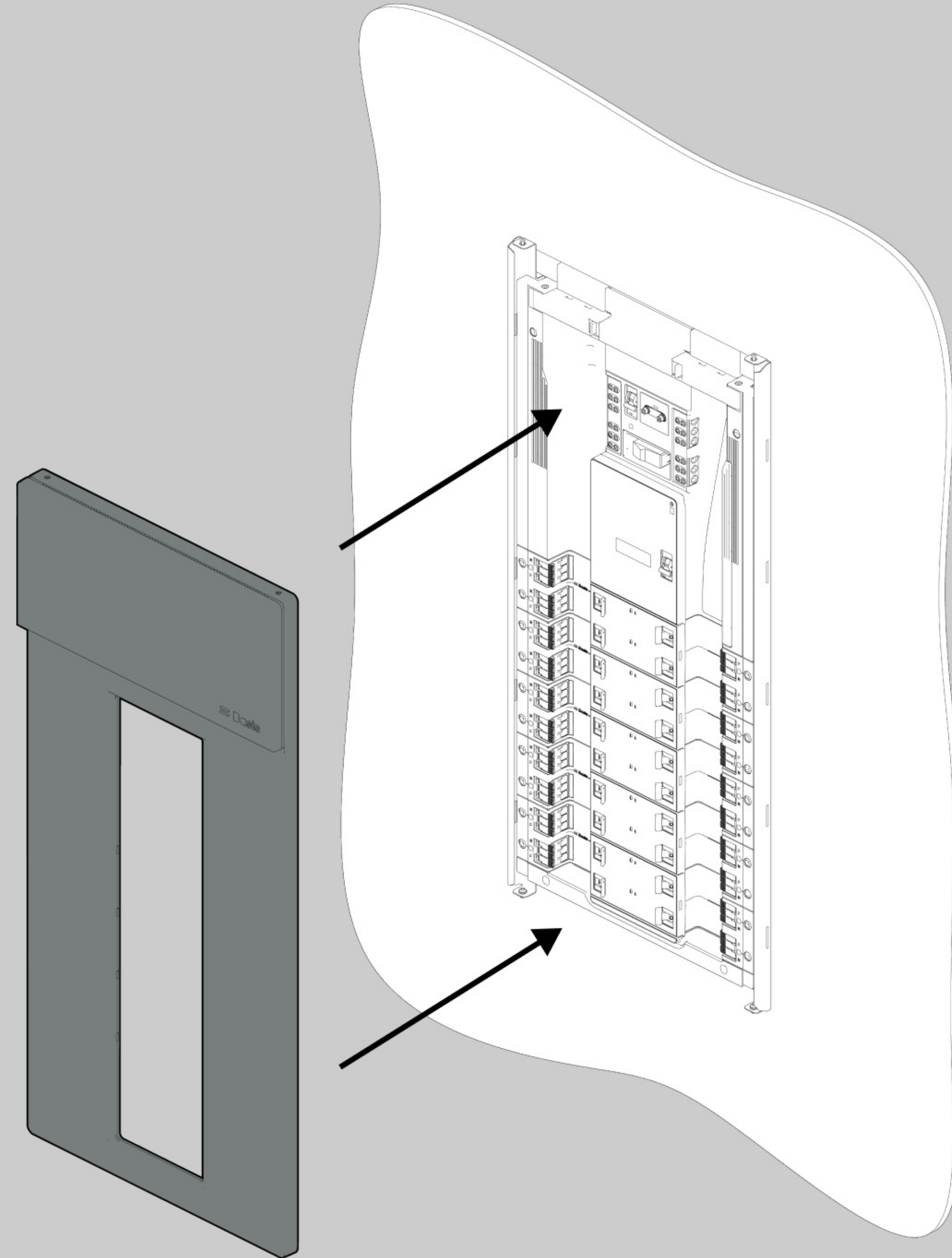


## 6. Finalise

### 6.0 Fit the Front Shell onto the Basis Panel.



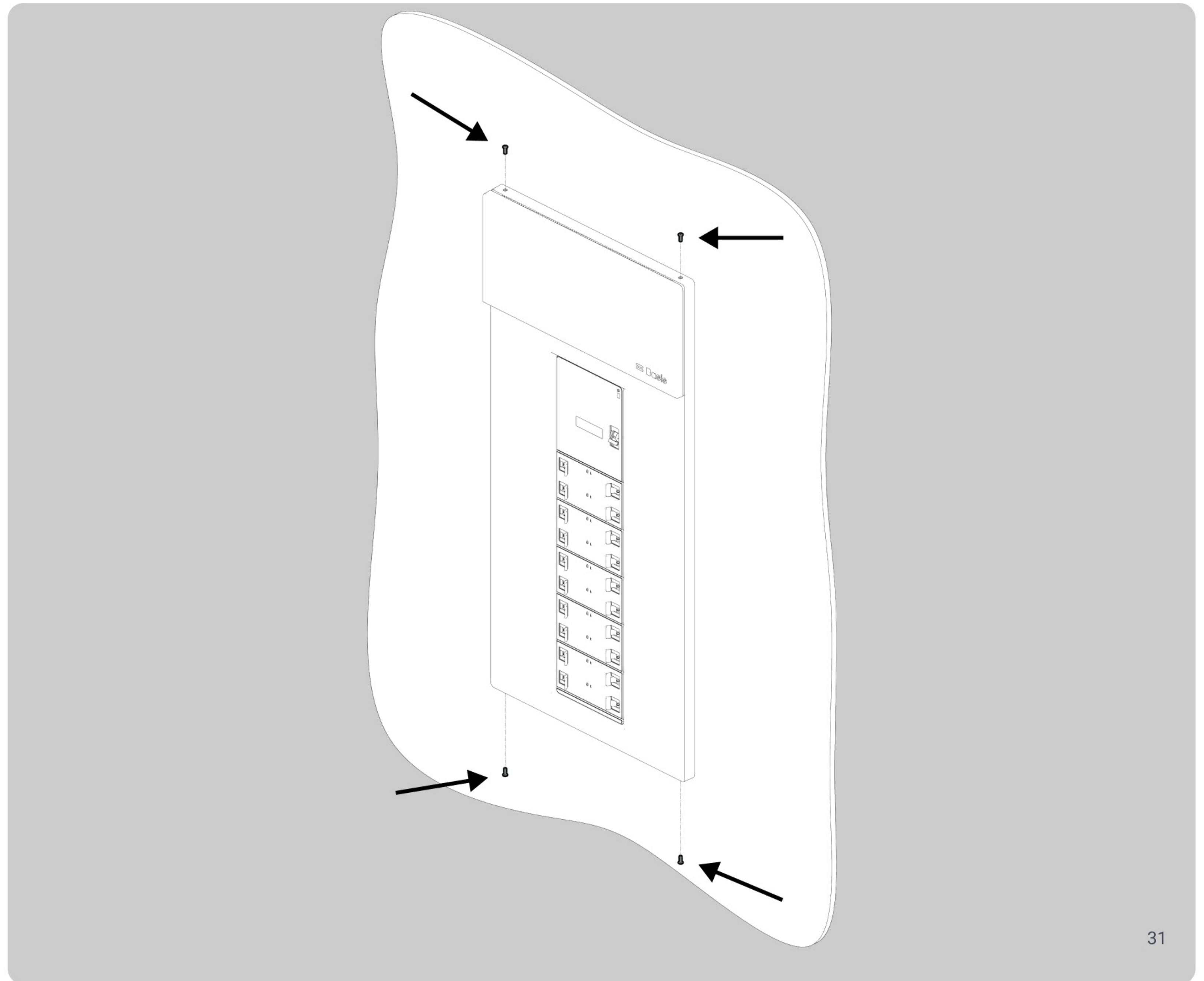
NOTICE - Ensure that all the tabs surrounding the outer and inner edges of the Front Shell are clipped in.



## 6. Finalise

- 6.1 Check that everything is aligned before securing the front shell with the 4 indicated screw points.

! NOTICE - Screws provided are located on the back of the Basis Front Door.



# 6 . Finalise

## 6.2 Final Inspection Checklist

### 1 . Test Circuit Modules

Press the test button of each Circuit Module as the last step of the commissioning process, to ensure the safety functions of each subcircuit work.

- !

NOTICE - To ensure the optimal performance and safety of your smart panels, we recommend conducting periodic checks every six months.
- !

NOTICE - The test button will only function and trip the when it is in "RCBO / AFDD" mode. The test button does not function in "MCB-ONLY" mode.

### 2 . E-Ink Displays

Verify all displays are operational by pressing the test button or tripping the breakers

### 3 . Basis Trade App

Verify the app is connecting properly.

### 4 . Clean Up

Ensure that the space is clear of all installation related materials.

⚡

!

DANGER: Plastic bags from the box can be dangerous. The film may cling to the face and prevent breathing. Keep away from small children.

⚡

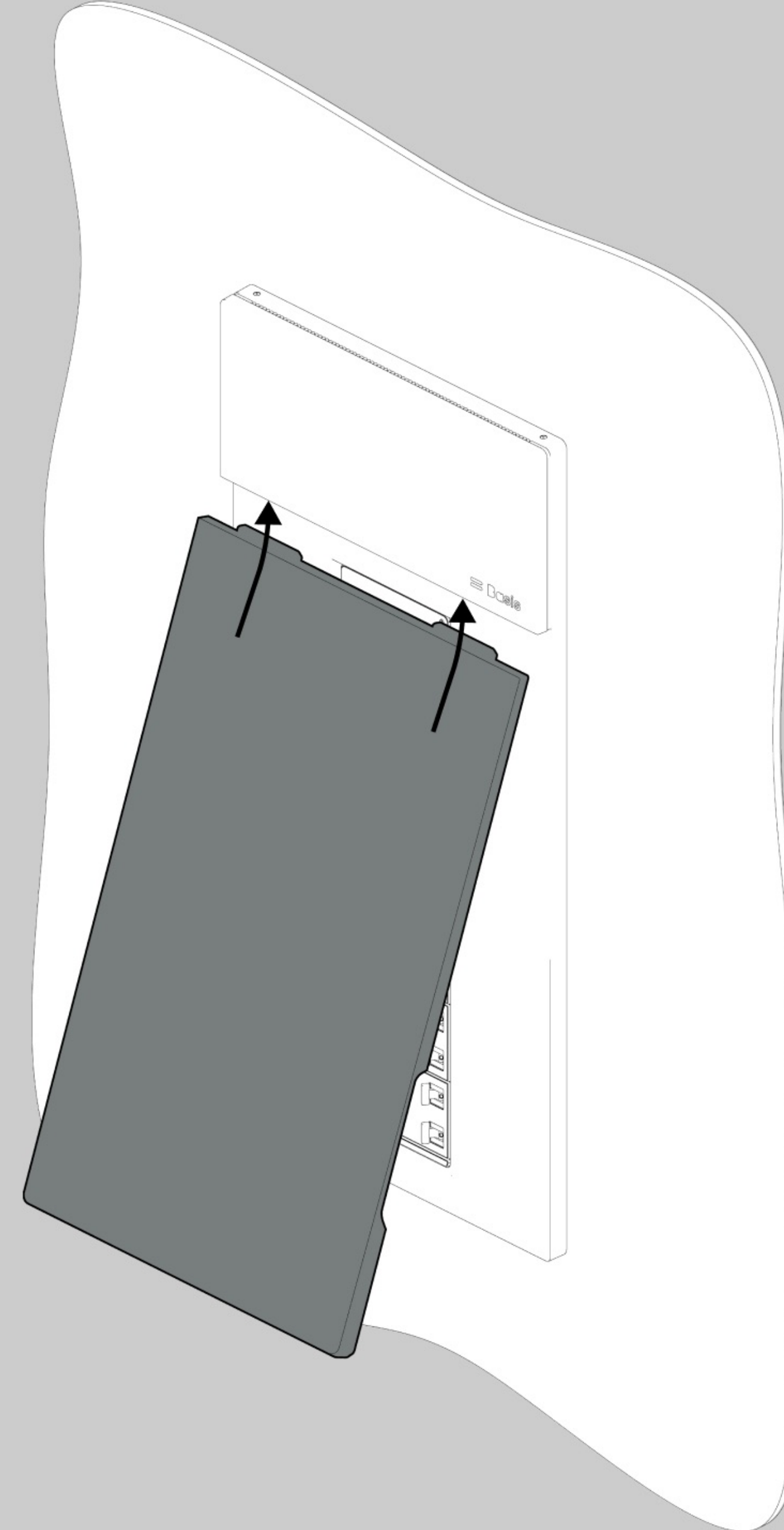
!

WARNING - Avoid use of liquids, gels, cleaning solvents or aerosols on the Smart Panel



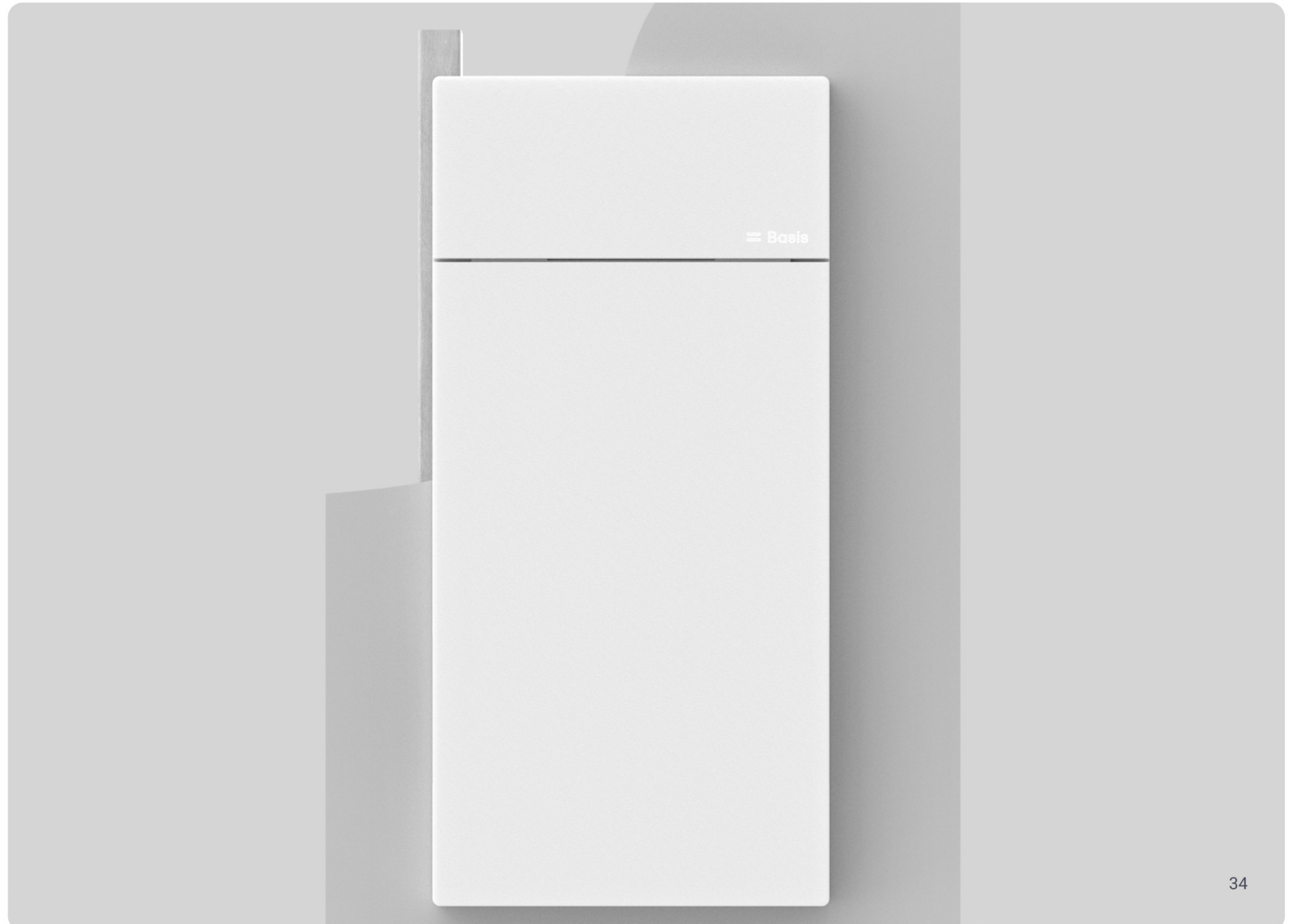
## 6. Finalise

- 6.3 Leading with the top tabs, fit the Front Door onto the Basis Panel as shown.



## 6 . Finalise

### 6.4 Installation Complete!



# 7 . Extra Info

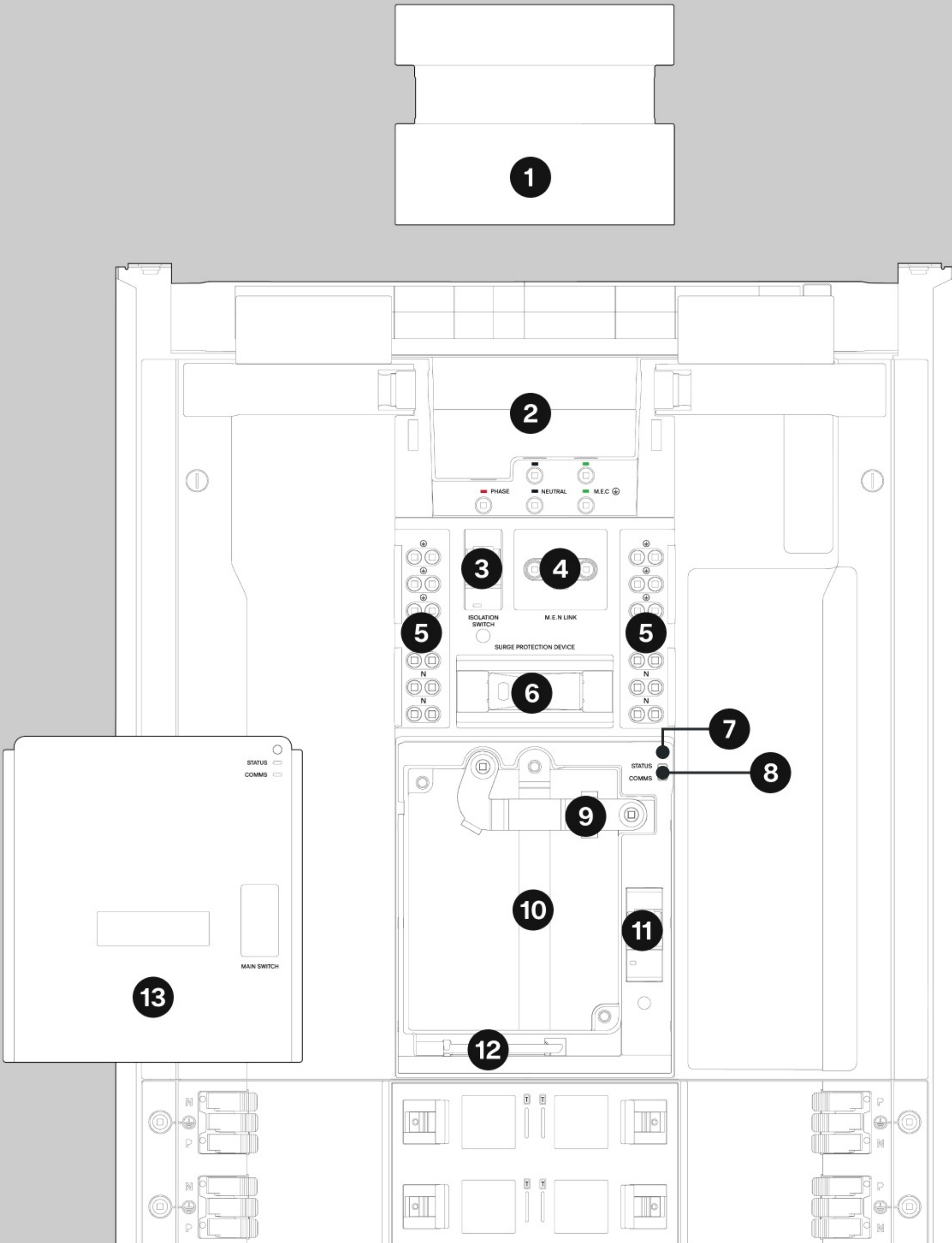
## 7.0 Product Component Overview

### Supply Zone

- 1 . Main Supply Terminal Cover (Removable)
- 2 . Consumer Mains Terminal and Main Earth Terminal
- 3 . Isolation Switch
- 4 . M.E.N Link and M.E.N Block
- 5 . Bonding Earth/Neutral Terminals
- 6 . Surge Protection Device (SPD) (Serviceable)

### Meter Zone

- 7 . Basis Button
- 8 . Comms & Status LED Indicators
- 9 . Meter Phase Busbar Bridging (Removable)
- 10 . Supply Zone Neutral Busbar
- 11 . Main Switch
- 12 . Meter Cable (RJ12)
- 13 . Meter Cover (Removable)



# 7 . Extra Info

## 7.0 Product Component Overview

### System Manager Zone

#### 14 . System Manager Access Cover (Serviceable)

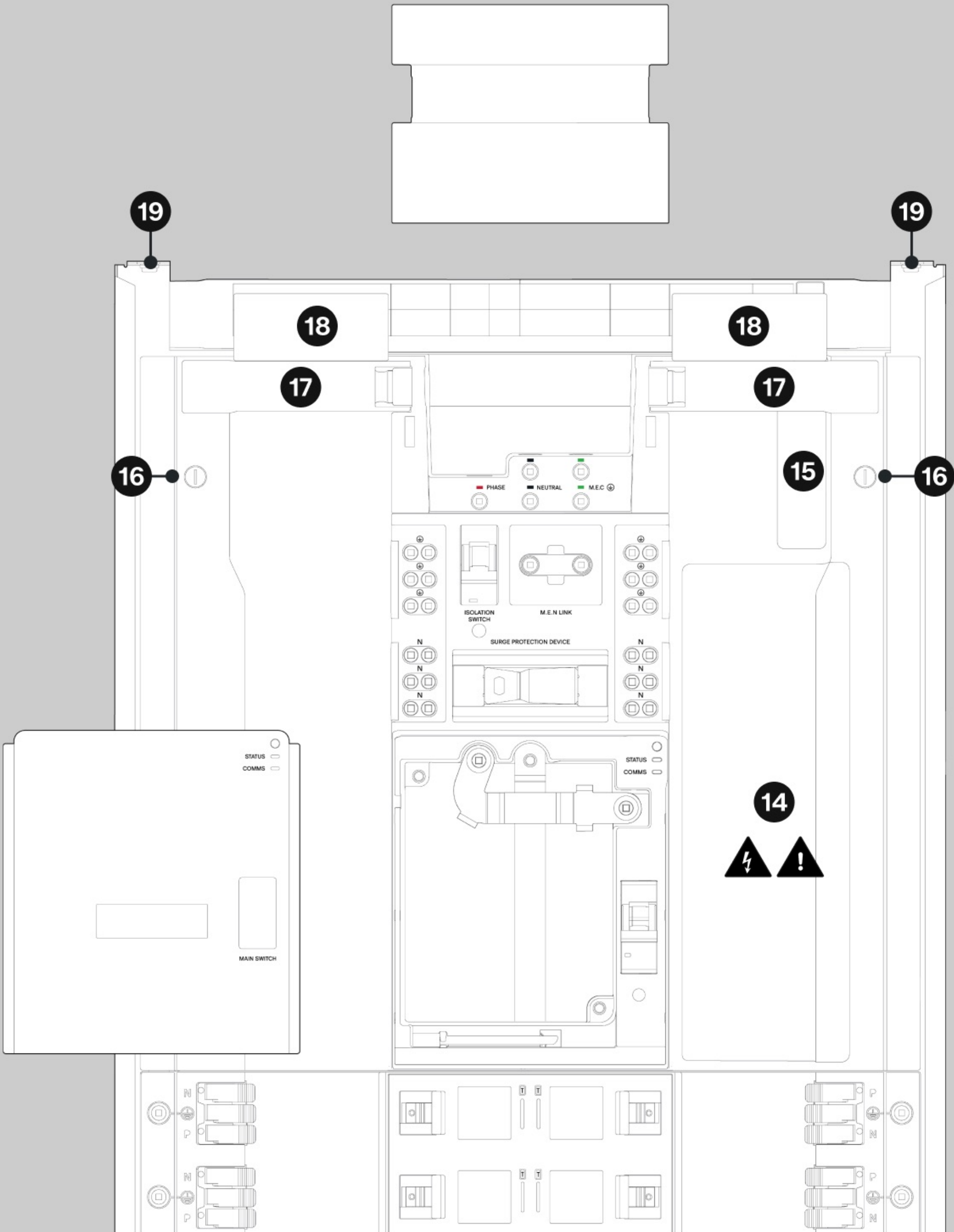


DANGER - Removing the system manager access cover without opening the isolation switch results in an electrocution hazard (the main switch cannot isolate this area)

#### 15 . Ethernet Shroud & Access Point

### Mounting & Fixing Points

- 16 . Mounting Bracket Lock
- 17 . Cable Clamps (Removable)
- 18 . Cable Clamp Foam Insert (Removable)
- 19 . Panel Front Cover Screw Fixing Points



## 7 . Extra Info

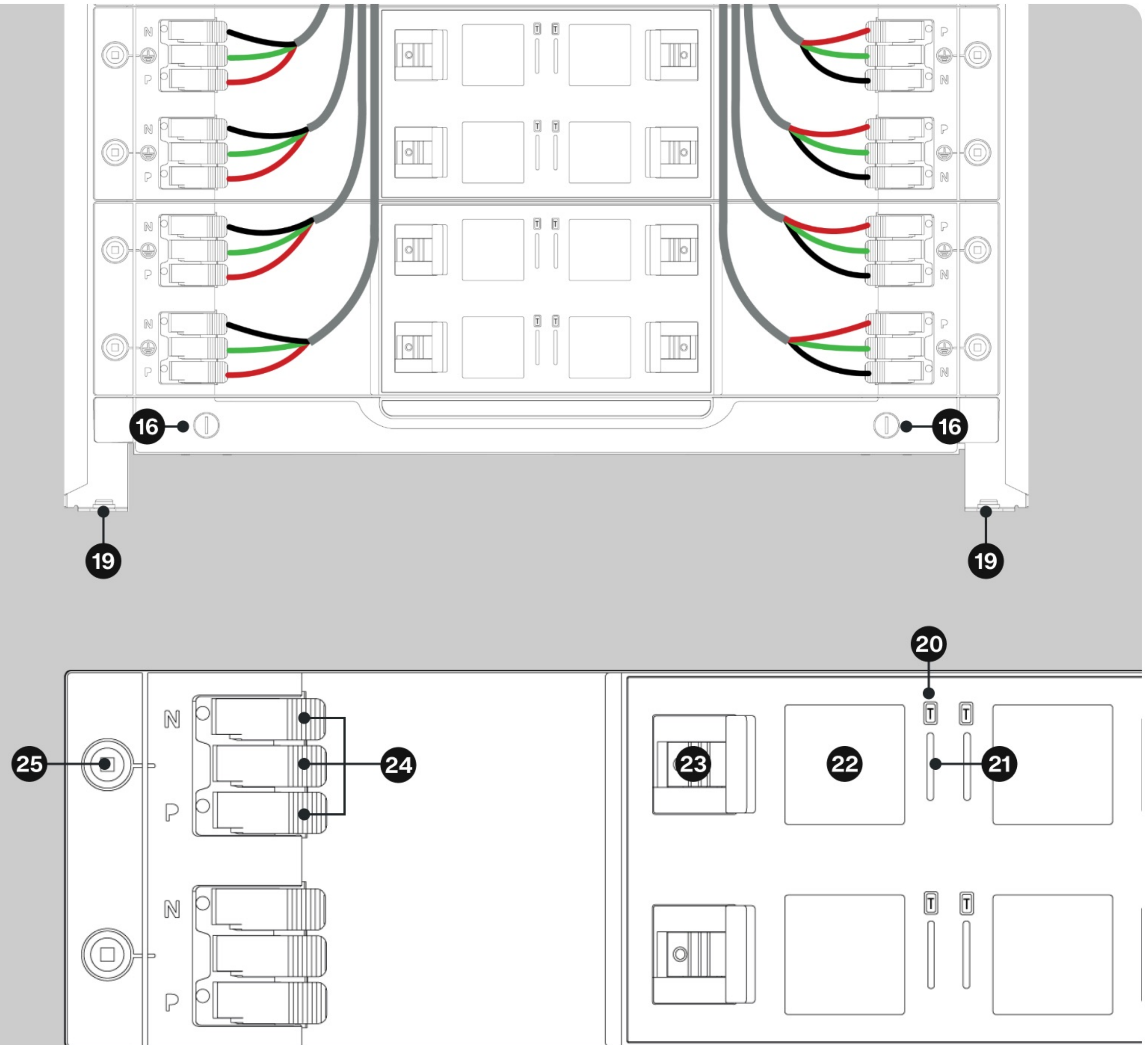
### 7.0 Product Component Overview

#### Mounting & Fixing Points

- 16 . Mounting Bracket Lock
- 19 . Panel Front Cover Screw Fixing Points

#### Circuit Module (Servicable)

- 20 . Circuit Test Button
- 21 . Circuit Status LED
- 22 . Circuit Display
- 23 . Circuit Breaker Toggle
- 24 . Terminal Connectors
- 25 . Earth Bonding Screw

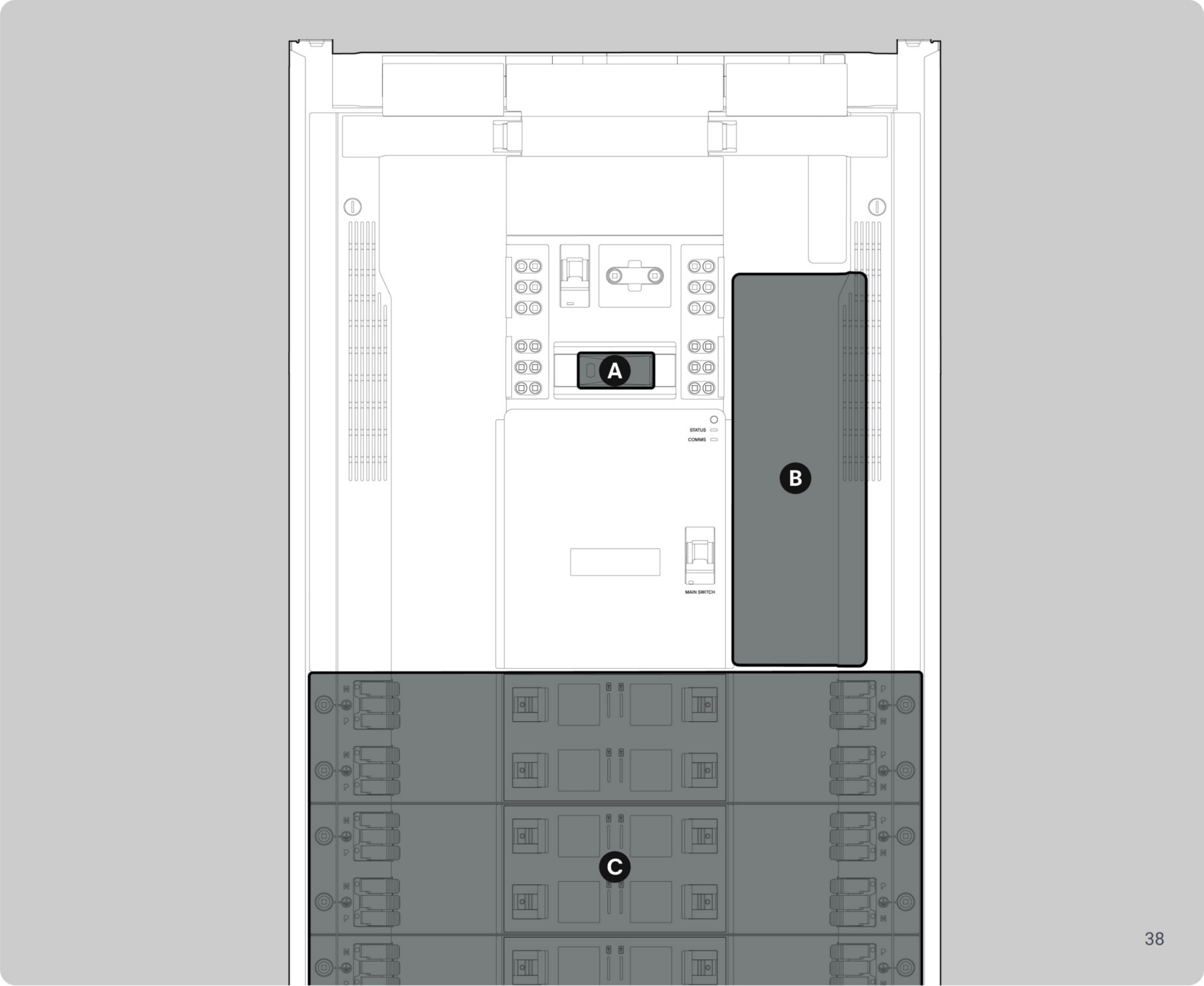


# 7 . Extra Info

## 7.1 Serviceable/Replaceable Components

- A** Surge Protection Device (SPD)  
Refer to SPD Replacement & Troubleshooting Guide
- B** System Manager  
Refer to System Manager Replacement & Troubleshooting Guide
- C** Circuit Modules  
Refer to Circuit Module Replacement & Troubleshooting Guide

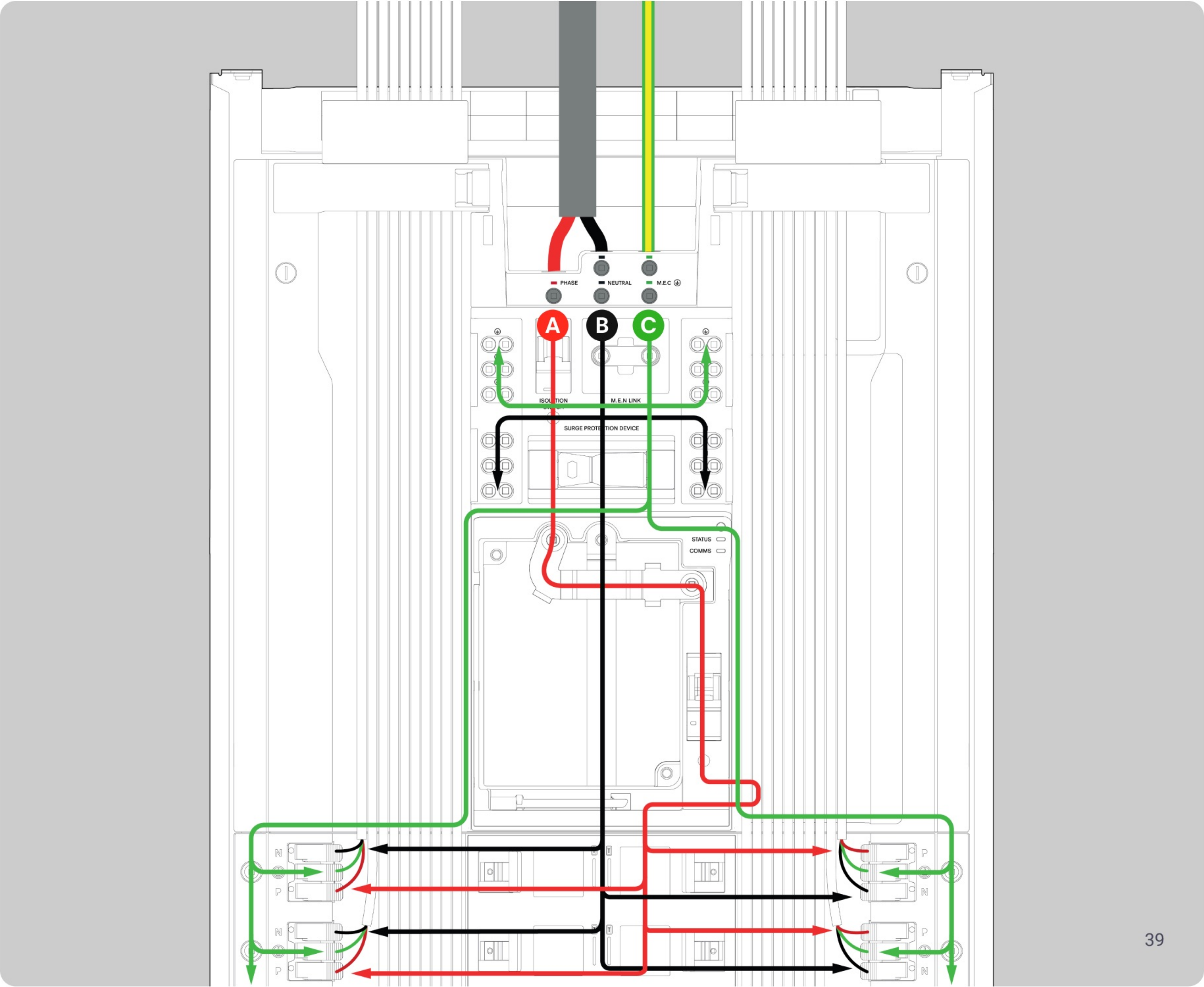
-   DANGER - Removing the system manager access cover without opening the isolation switch results in an electrocution hazard (the main switch cannot isolate this area)
-   DANGER - Do not use third-party replacement parts not authorised by the OEM as it could lead to harm. Third-party (or knock off) components likely don't conform to our safety requirements, and hence could lead to safety critical incidents.



7 . Extra Info

7.2 Supply Flow Diagram

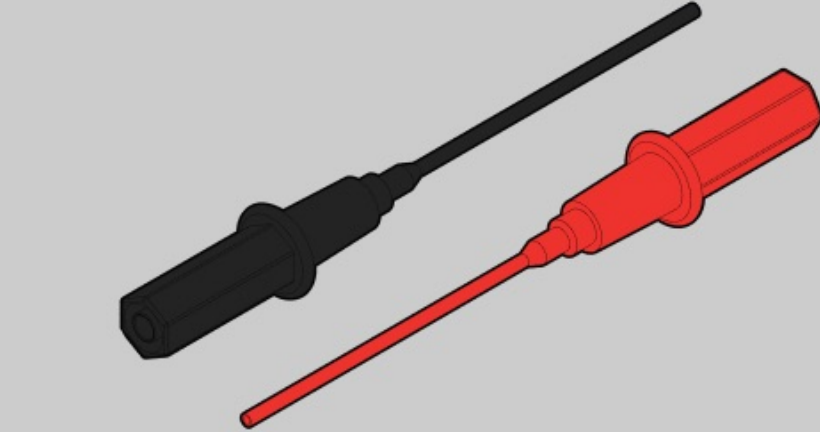
- A** Phase
- B** Neutral
- C** Earth



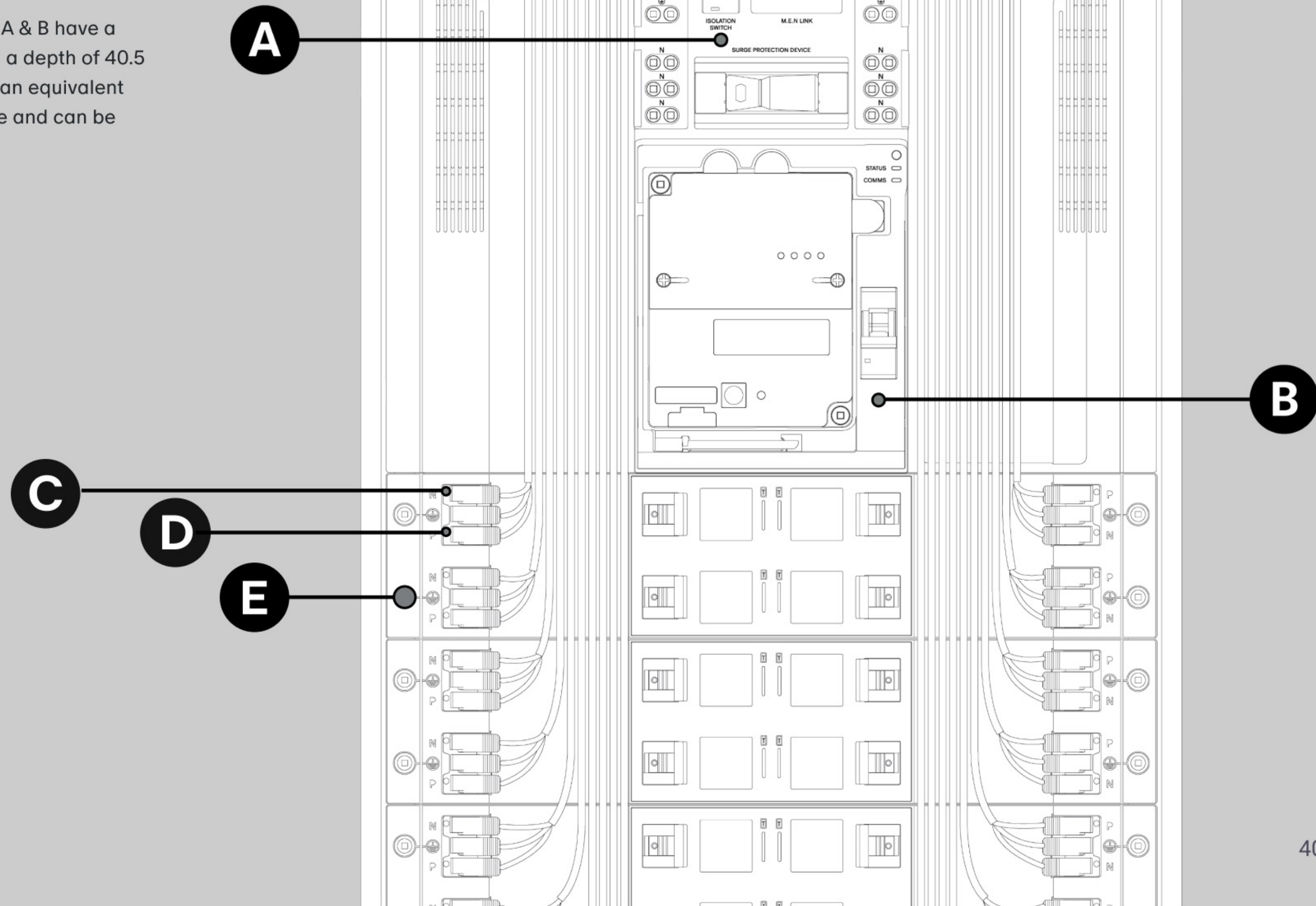
# 7 . Extra Info

## 7.3 Test Points

- A** Isolation Switch Load-side Test Point
- B** Main Switch Test Point
- C** Neutral Terminal Test Point
- D** Phase Terminal Test Point
- E** Earth Bonding Screw



**!** NOTICE - The test point A & B have a diameter of 2.9 mm and a depth of 40.5 mm. An E-Z Probe 67 or an equivalent option would be suitable and can be sourced from BASIS.



# 7 . Extra Info

## 7.4 Circuit LED Indicators

Red

Solid - Live

Breathing - Standby

Blue

Slow Blink - Config Change or Update Pending

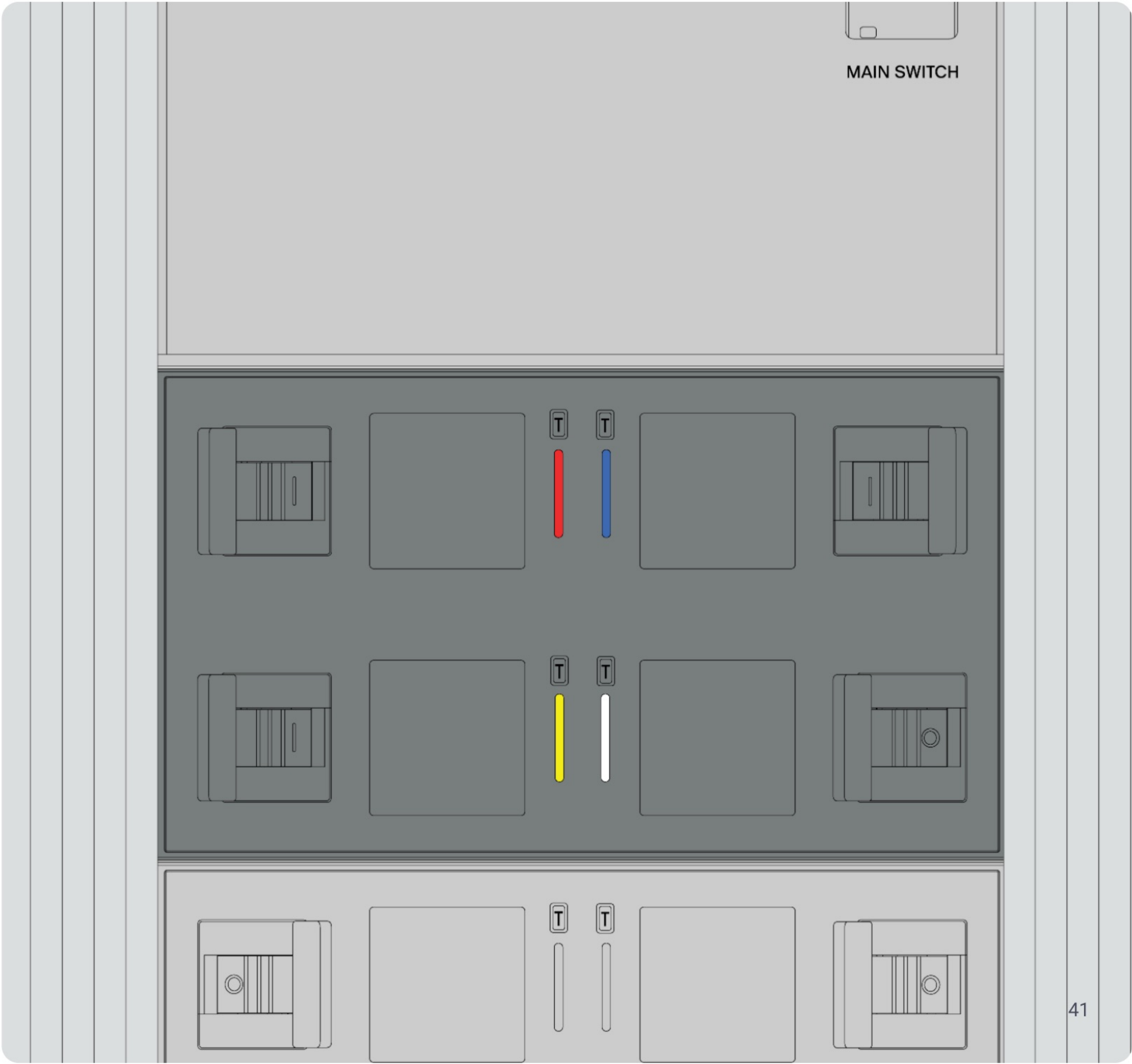
Yellow

Solid - Electrical Fault

Blink Slow - Critical Error

Blink Fast - Fatal Error

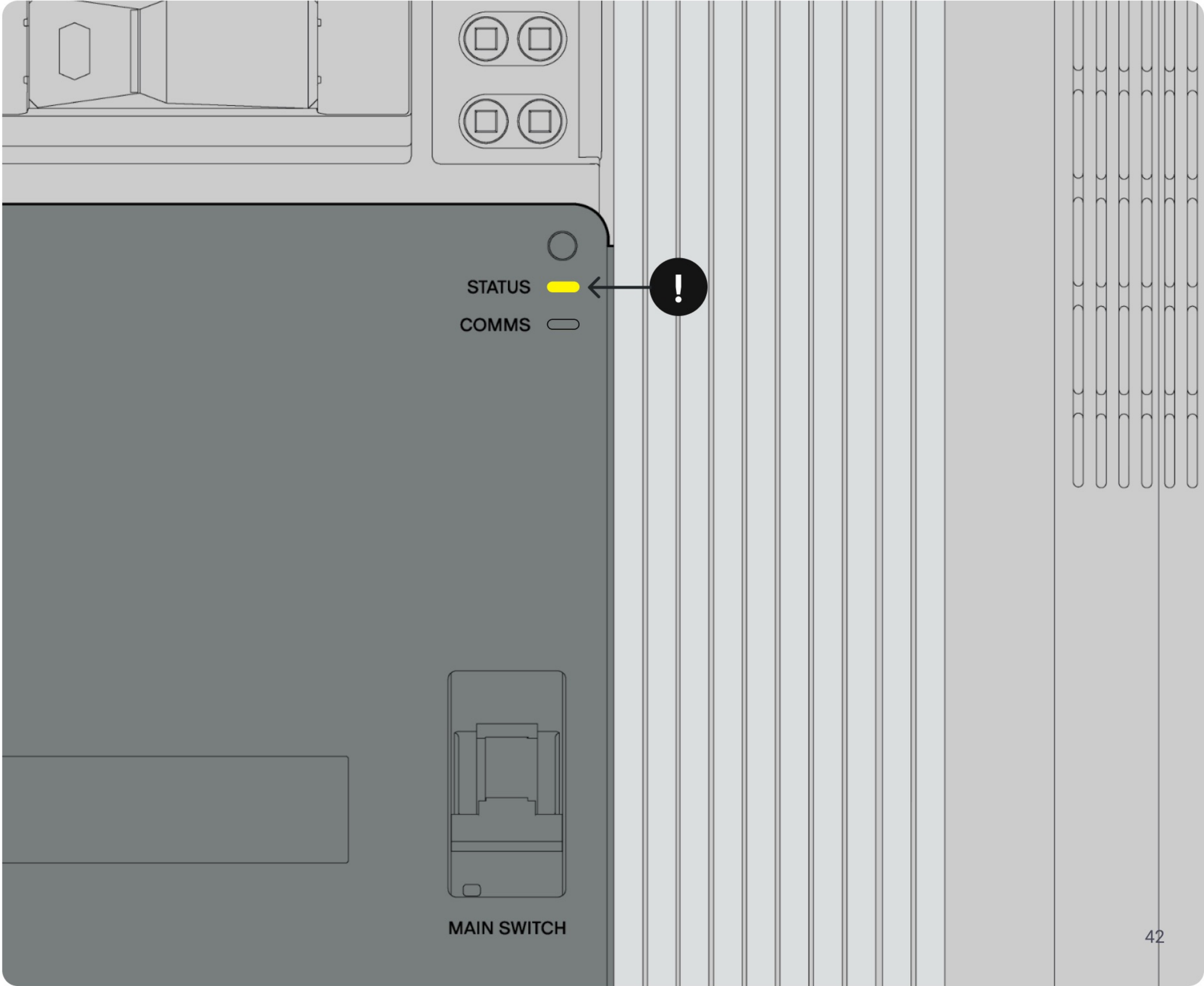
No Light - Off



# 7 . Extra Info

## 7.5 STATUS LED Indicator

-  Blue
  - Slow Blink - Basis Button Pending
-  Yellow
  - Slow Blink - Error
  - Fast Blink - Update in progress
-  White
  - Slow Blink - Booting
  - Breathing - Idle



# 7 . Extra Info

## 7.5 COMMS LED Indicator

-  Blue
  - Solid - AP Connected, Bluetooth Enabled
  - Slow Blink - AP Active
-  Yellow
  - Slow Blink - No Internet
-  White
  - Solid - Connected
  - Slow Blink - Connecting
-  No Light - Unconfigured

