akubela

Installation Guide

For HyPanel Supreme

Smarter Home
Sweeter Life

Welcome!

This guide applies to the PHX1-KNX-EU model of HyPanel Supreme.

Contents

Before We Start 2

In the Box 3

Check Compatibility 4

Wiring 6

Installation 11

Get Help 18

Before We Start

Your first time installing this product may take up to 40 minutes.

You’ ll get faster after each installation.

Warning

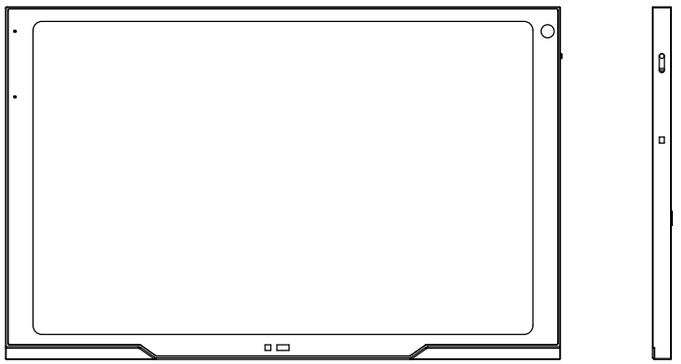
The installation procedure may involve handling high voltage wiring. Please be careful. To avoid serious personal injury, death, or property damage, turn OFF the power to the circuit and follow all safety precautions before proceeding.

Working with electricity can be dangerous. If you are unsure about, or uncomfortable with the installation, seek the help of a qualified electrician.

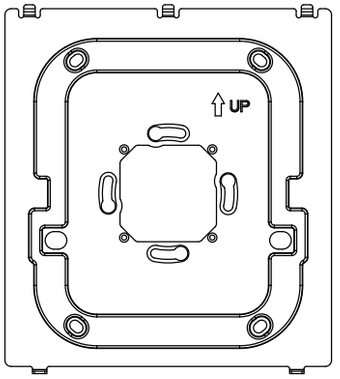
Warning

Keep the device and all its parts out of the reach of children. The small parts or accessories contained may be a choking hazard to them.

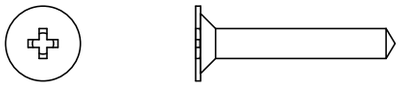
In the Box



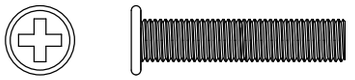
HyPanel Supreme x1



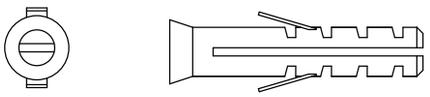
Flush Mounted Module x1



ST3X20mm Phillips Self Tapping Screw x6

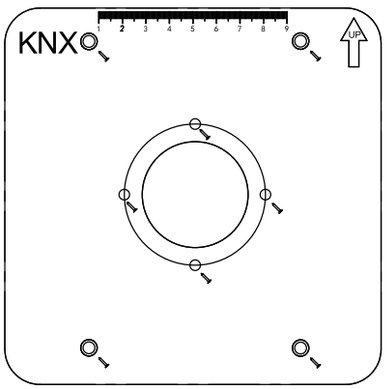


M4X20mm Phillips Machine Screw x2



Drywall Anchor x4

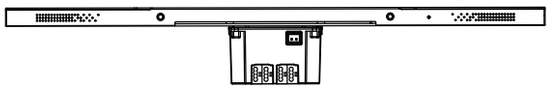
Hex Key x1



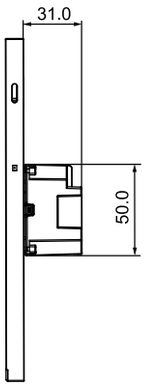
Drilling Guide Sticker x1

Check Compatibility

Product dimensions(mm)

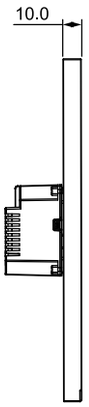


5 BOTTOM VIEW

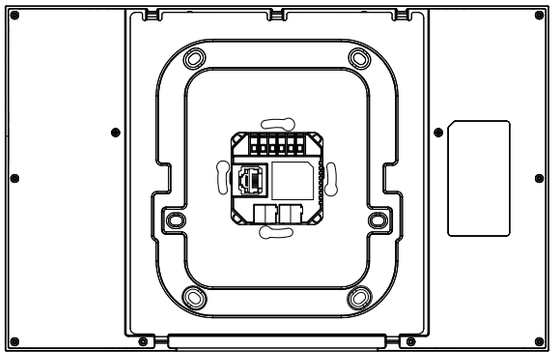


2 RIGHT VIEW

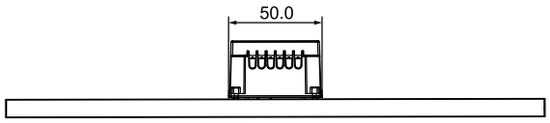
1 FRONT VIEW



3 LEFT VIEW



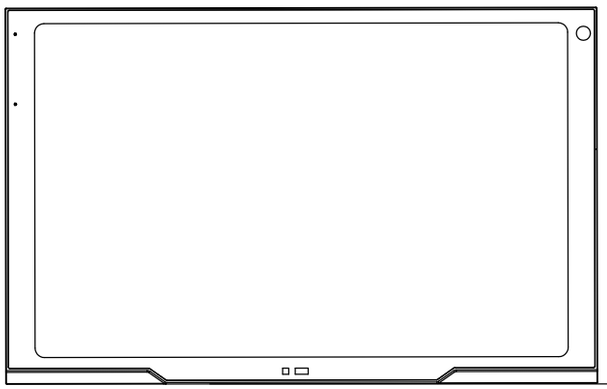
4 BACK VIEW



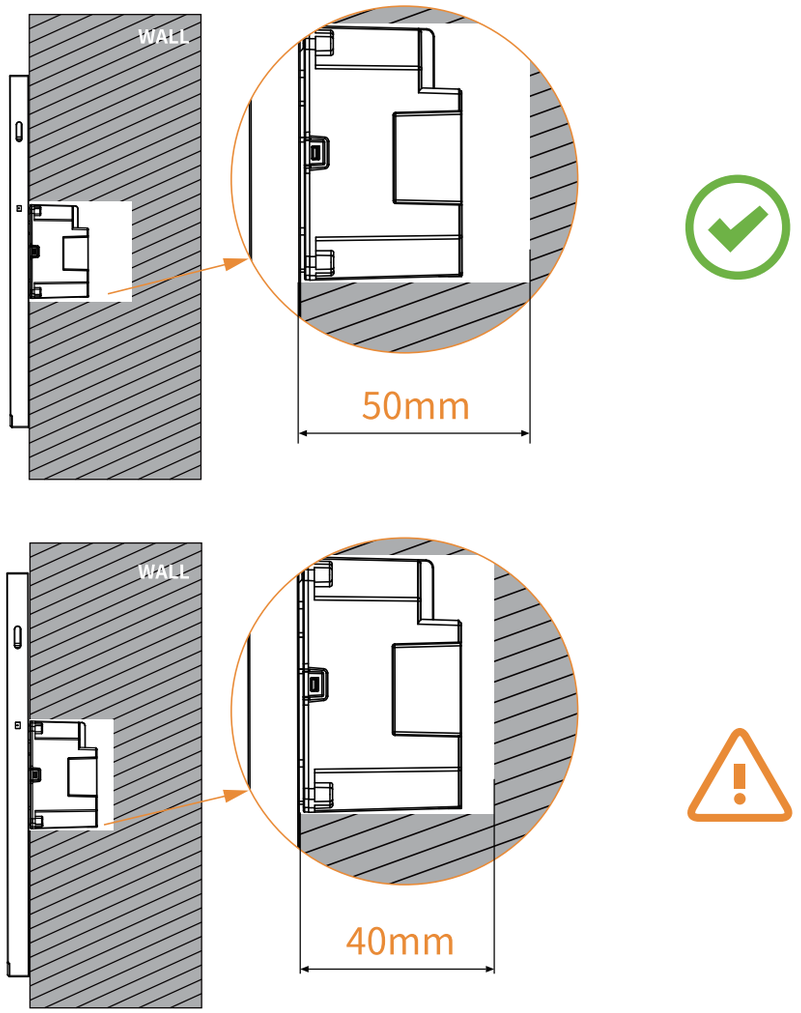
6 TOP VIEW

Working space

Make sure HyPanel Supreme is compatible with the location where you want to install it.



① HYPANEL PRO FRONT VIEW



② SIDE VIEW: HYPANEL PRO IN WALL

A 50mm(2 inches) deep electrical box is highly recommended for ease of installation.

Input and output requirements

- For dry contacts: Max 4A at 100-240V AC per gang
- For the digital input: 0-5V DC

12-24V DC power supply required

HyPanel Supreme needs a 12-24V DC power supply to function properly.

Support Wi-Fi and Ethernet connections

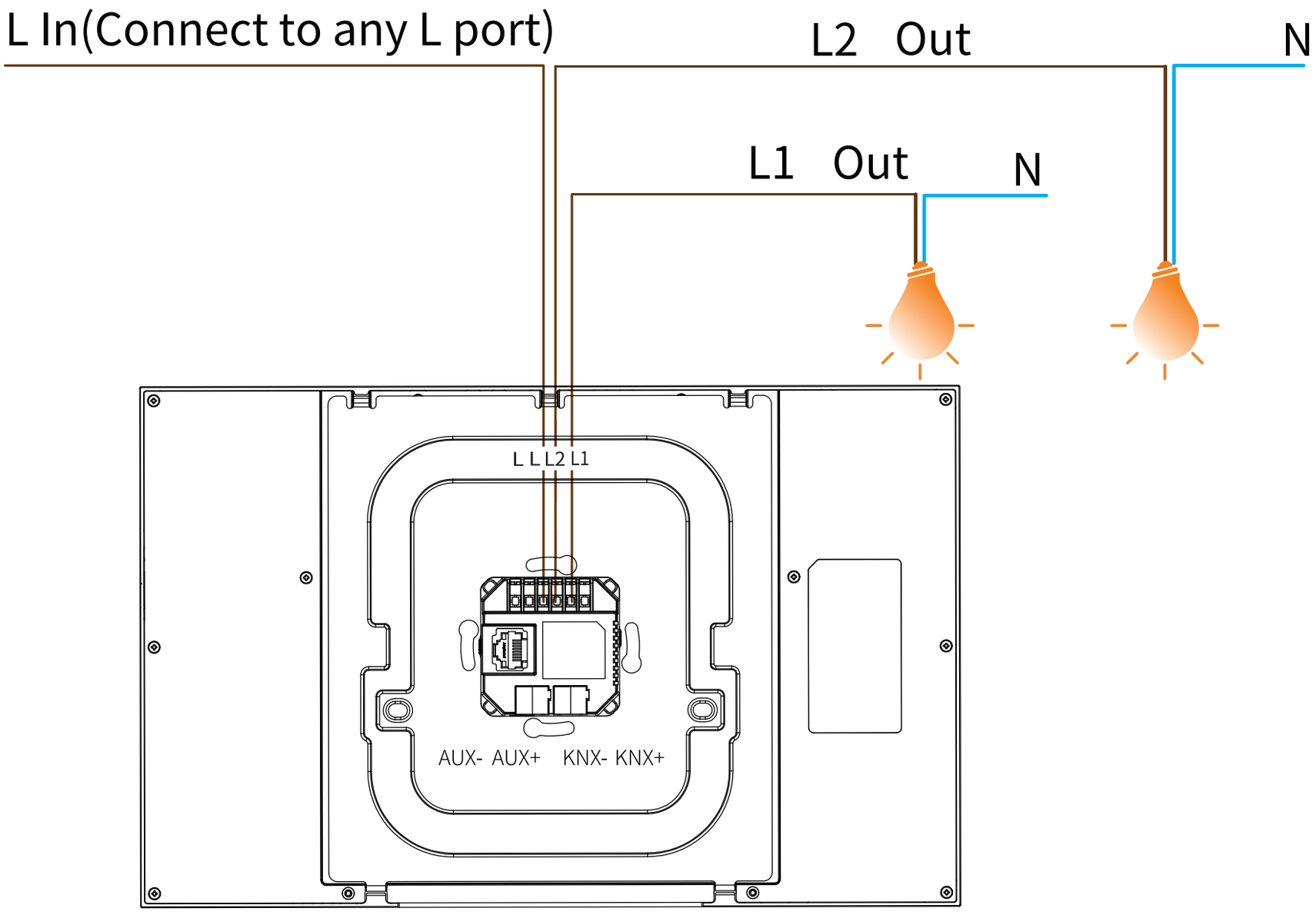
HyPanel Supreme can operate with both wireless and wired networks. A wired connection is recommended for greater reliability and faster data exchange.

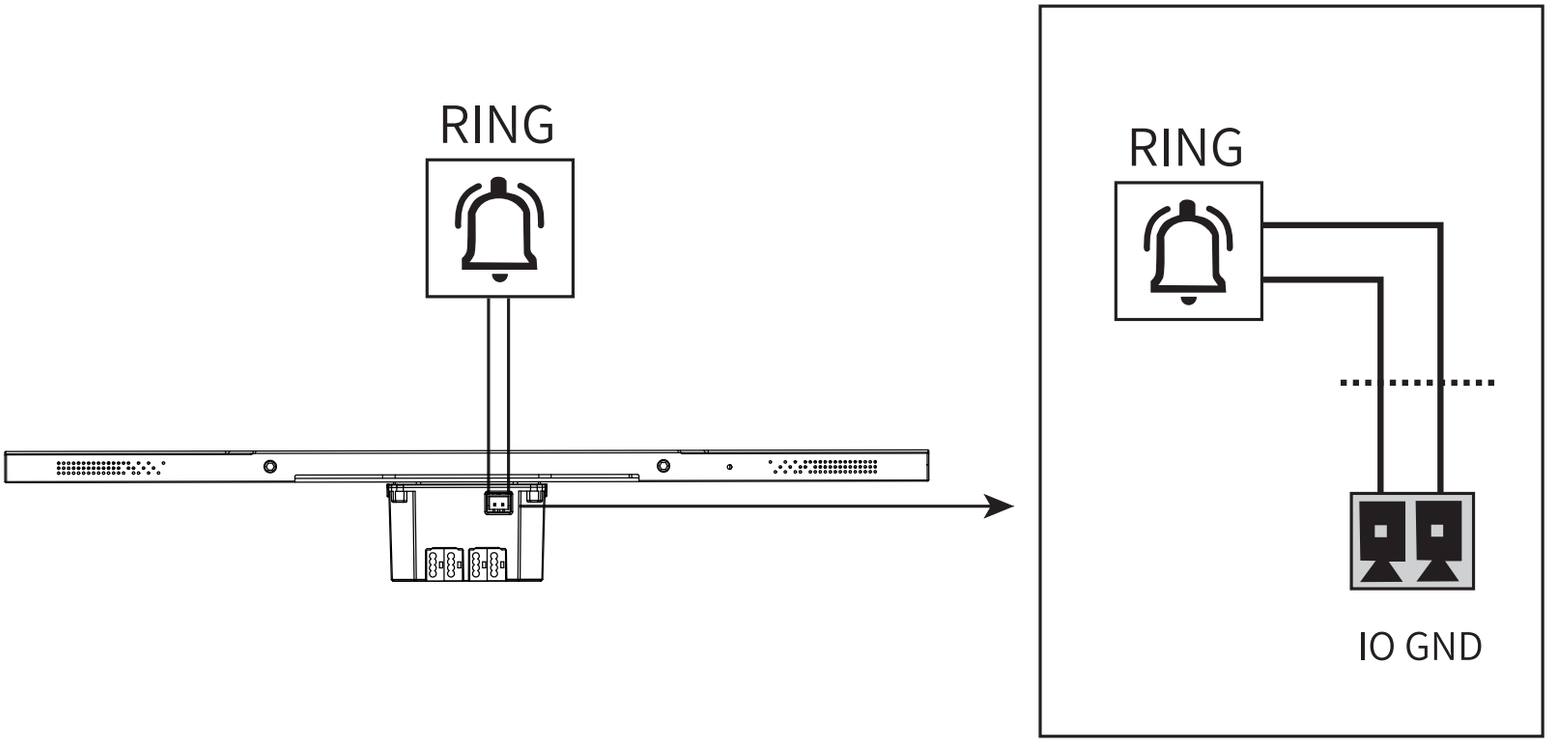
Wiring

Warning

Turn OFF the circuit breaker before wiring and proceeding!
Always use a voltage detector to verify the power is OFF before wiring and installation!

Identify wires





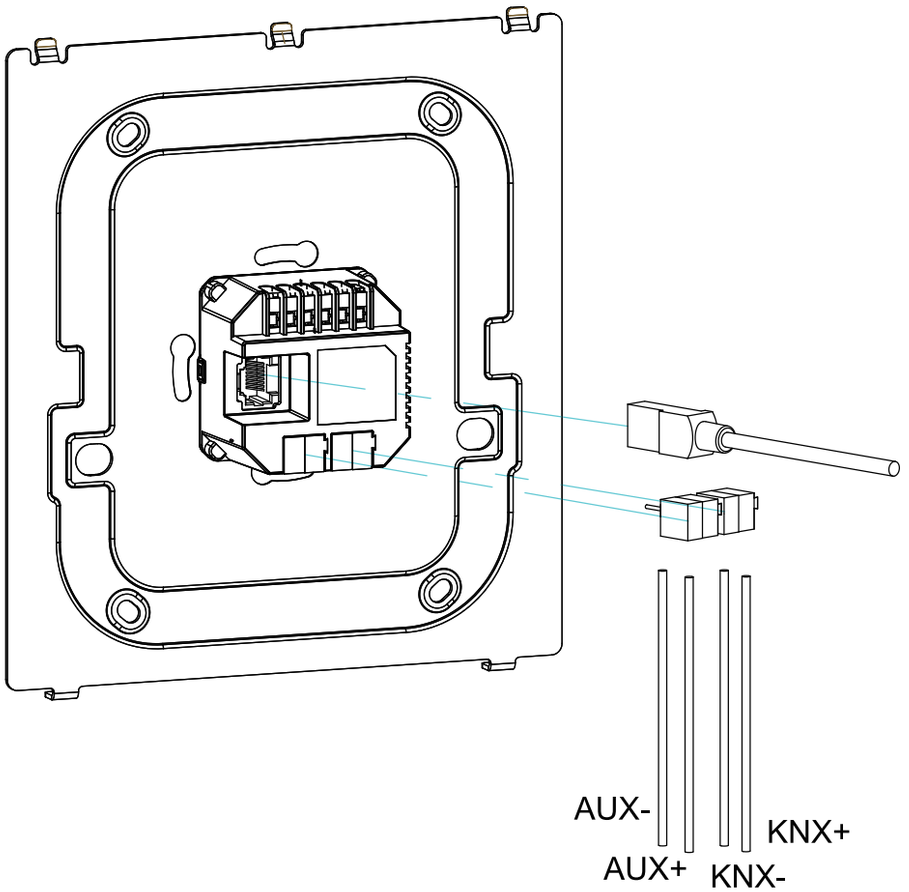
- The Line wire (L) connects to any one of the L terminals, providing 100-240 Volts of power to the dry contact devices.
- L1 and L2 are Load wires that connect the HyPanel Supreme to the dry contact devices.
- KNX+ and KNX- are connected to KNX bus.
- AUX+ and AUX- provide 12-24V DC auxiliary power supply to HyPanel Supreme.
- IO and GND are used to link a door bell or 0-5V DC sensors.

Connect wires

1 Strip and straighten wires

The line and load wires connected to HyPanel Supreme should be 0.75mm^2 ~ 1.6mm^2 in size and have stripped and straight ends.
Remove the plastic sheathing of the wire, and make sure the exposed wire ends measure approximately 8 mm (5/16 inch) in length.

2 Connect all wires



Connect KNX and AUX cables to the corresponding terminals.

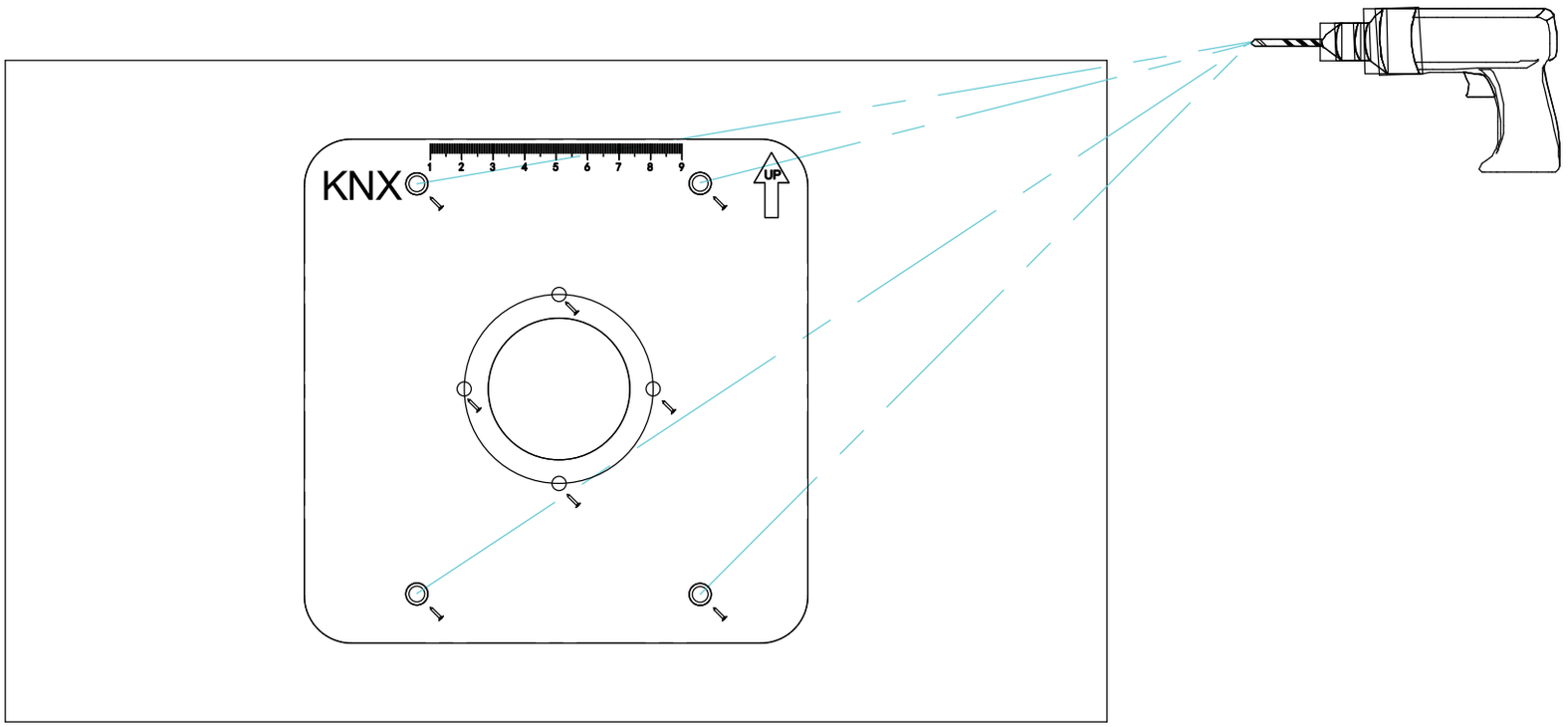
- **If you need to link dry contact devices**
  - Connect the Line wire to any one of the L terminals.
  - Connect the Load wire(s) to the L1 and/or L2 terminals.
  - Tighten the screws clockwise with a screwdriver until wires are secure.
  - Double check by gently tugging on each wire.
- **If you want to use wired network**

  Plug the RJ45 network cable to the Ethernet port.
- **If you want to link a door bell or 0-5V sensors**

  Insert the IO and GND wires of the doorbell into the terminals at the bottom of the flush mounted module.

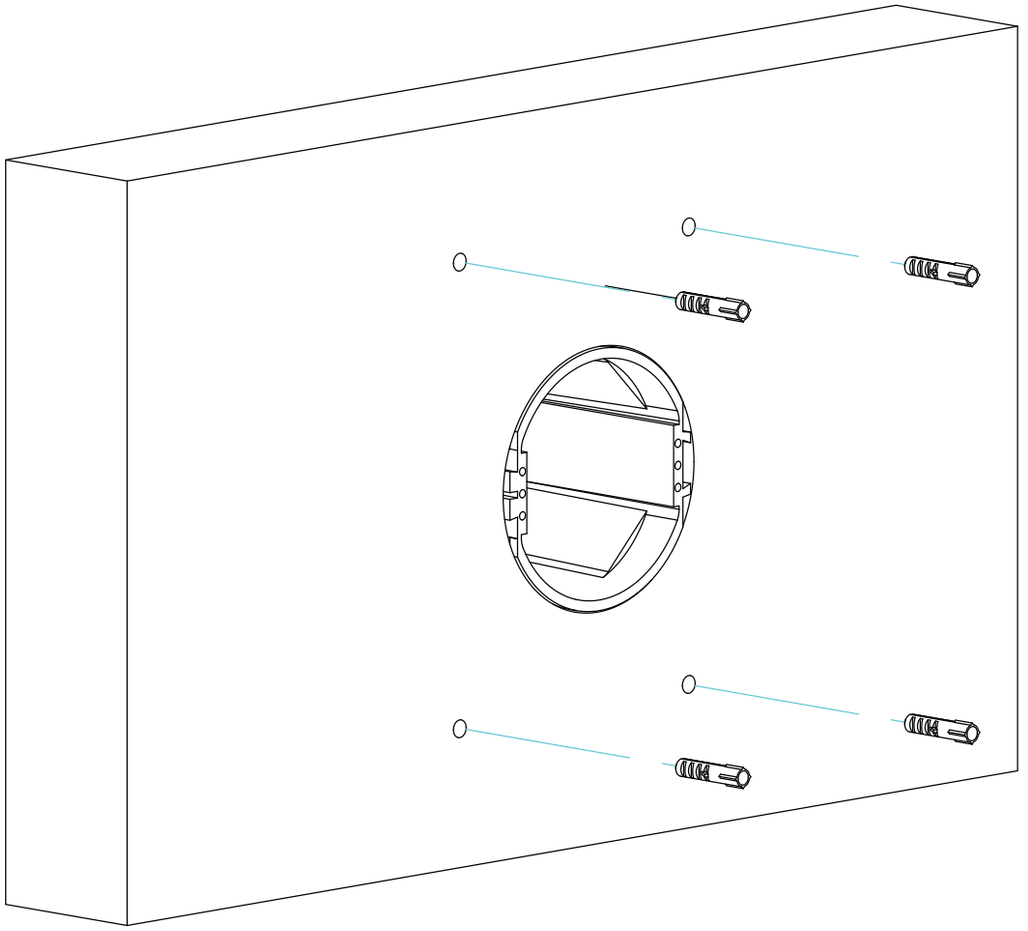
Installation

1 Drill screw holes



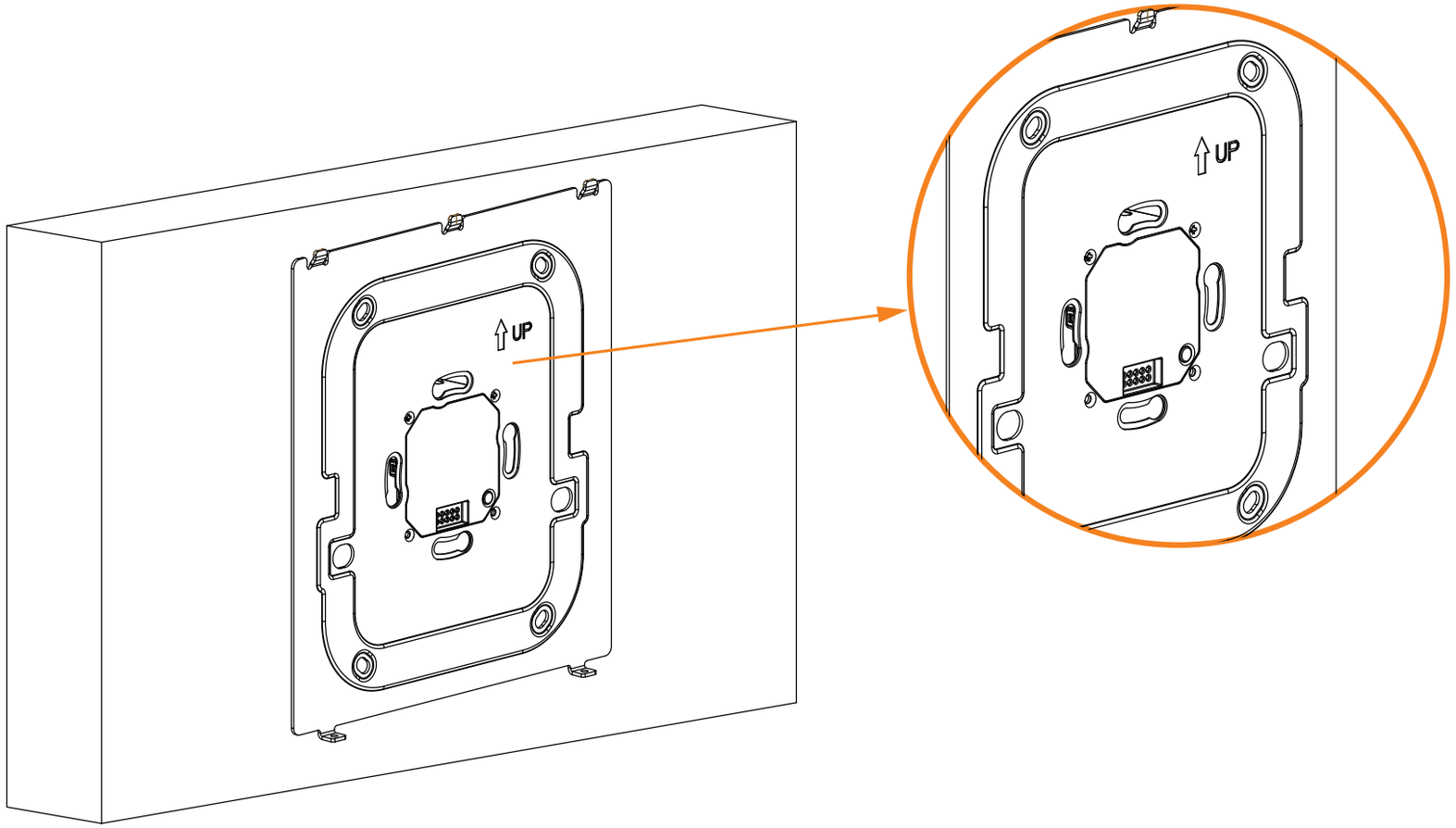
- Apply the supplied drilling guide sticker to the wall, ensuring the inner screw holes line up with those on the electrical box.
- Drill four 5mm-wide and 25mm-deep holes at the marked drilling positions.

2 Insert drywall anchors



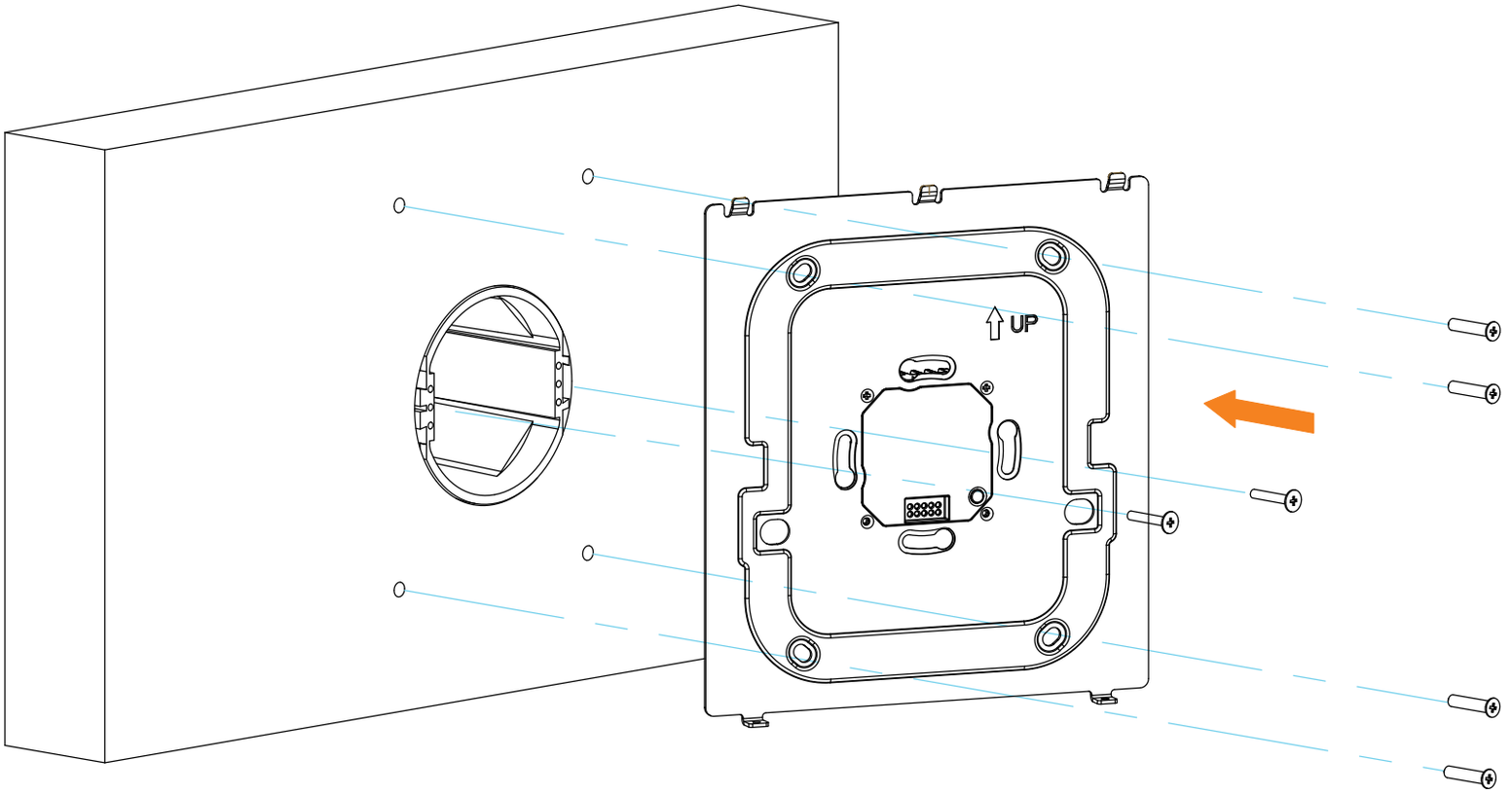
- Insert the supplied drywall anchors into the drilling holes.
- Tap each anchor until its head flushes up with the wall surface.

3 Confirm installation direction



Ensure the arrow on the front of the flush mounted module is pointing up.

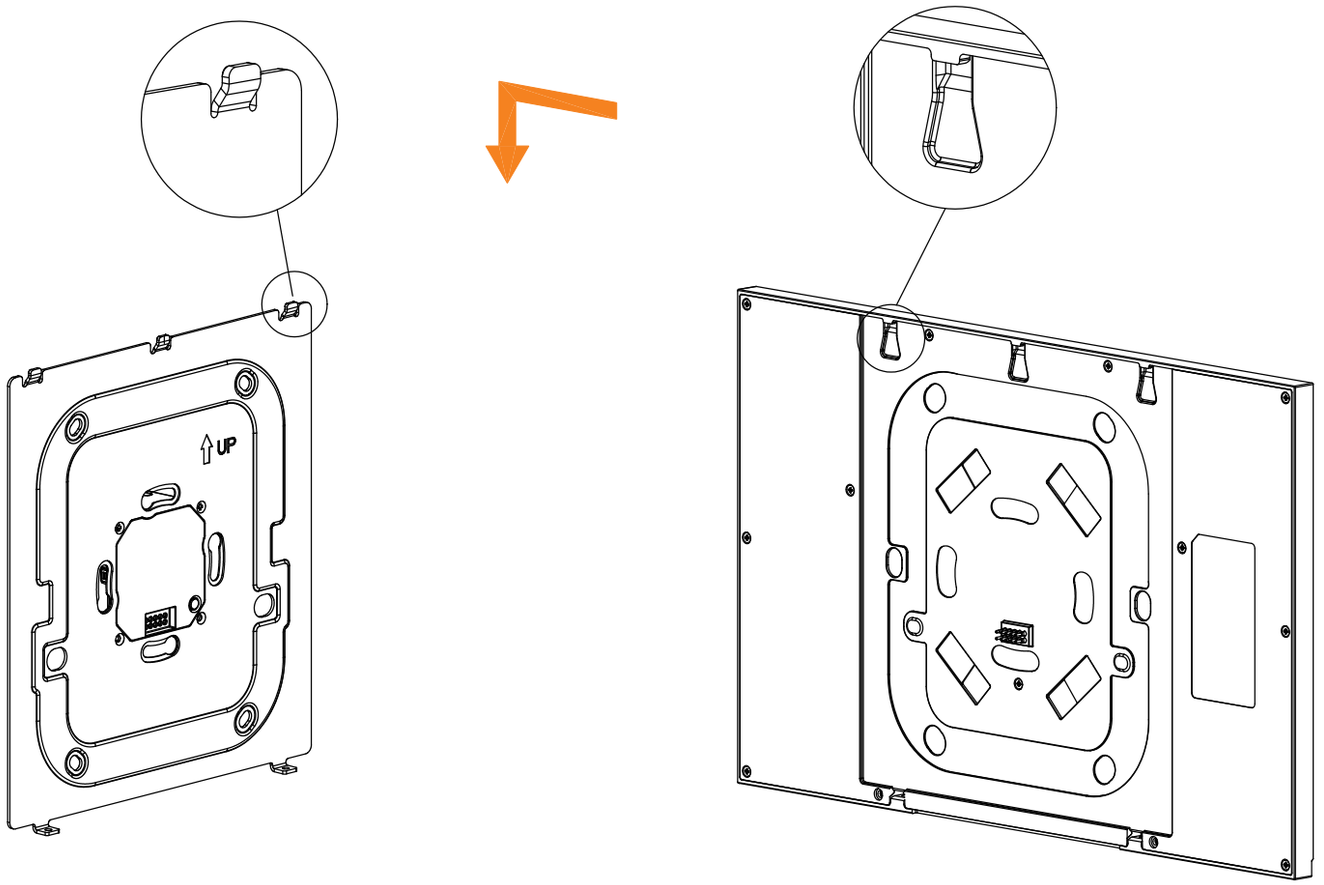
4 Install flush mounted module



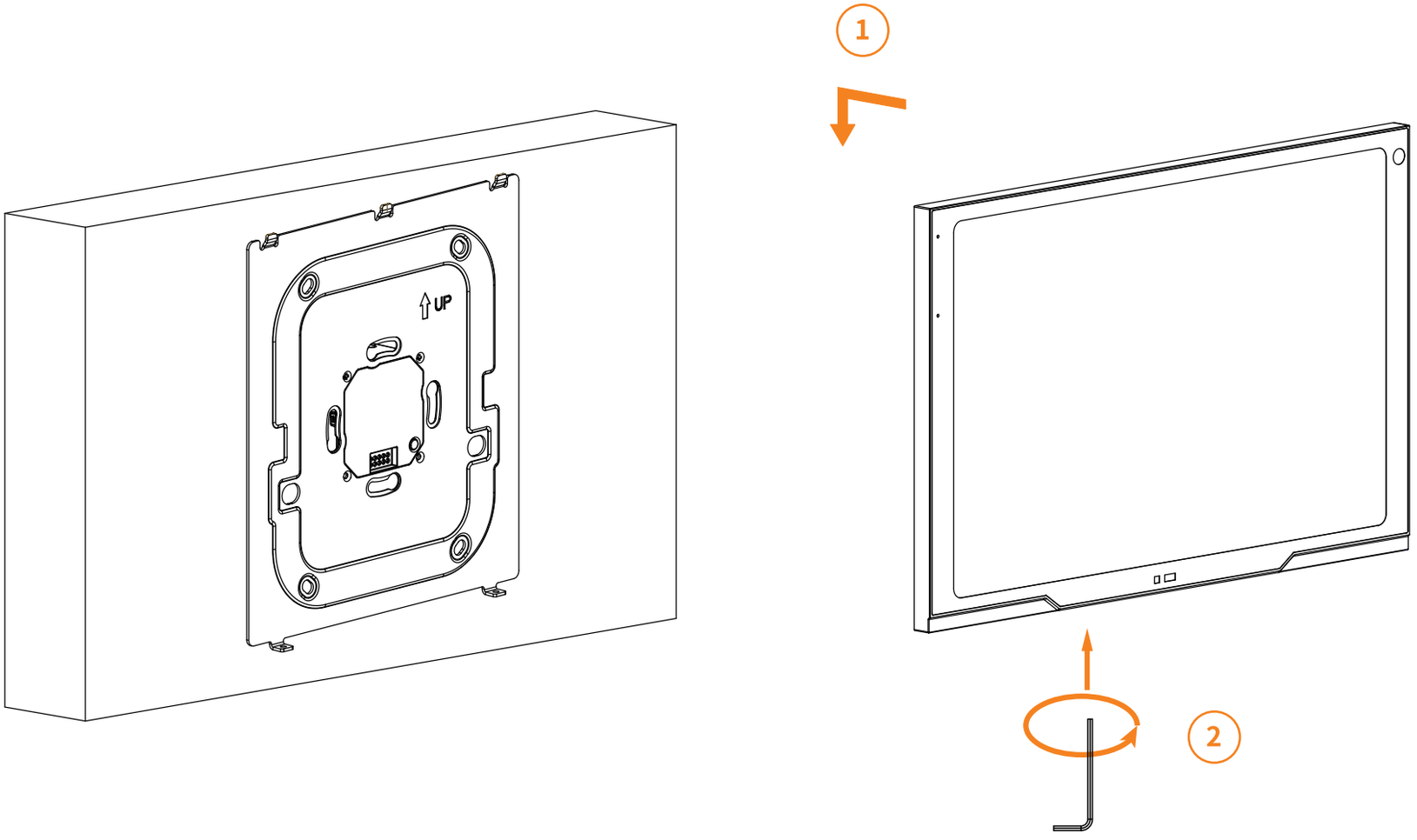
- Change the torque on the electric screwdriver to 5kgf.cm.
- Fix the flush mounted module to the wall using six supplied ST3x20mm self tapping screws.
- Ensure the flush mounted module is flush against the wall.

5 Install panel

Turn OFF the circuit breaker before you install the panel.



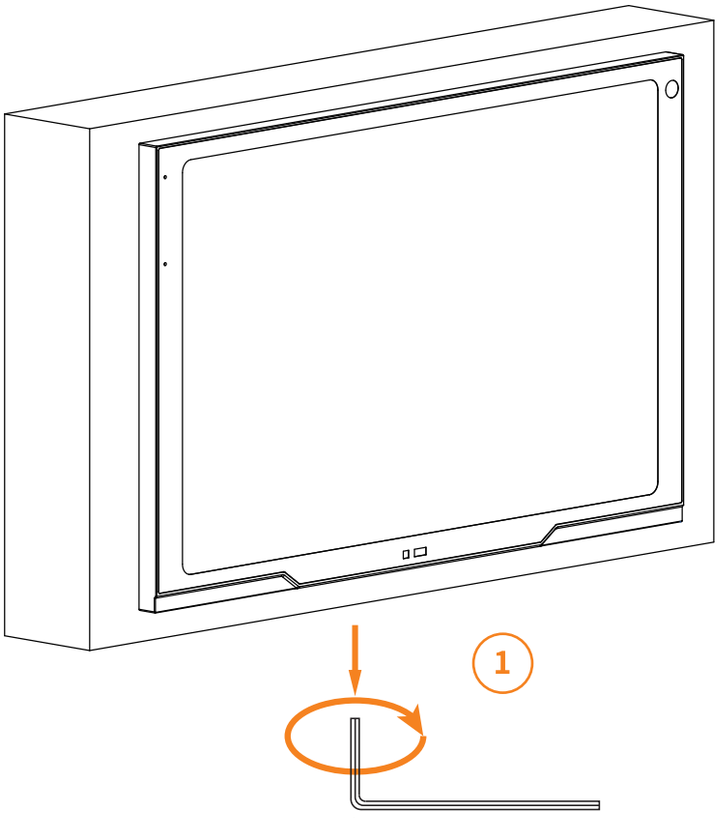
Line up the two clips on the flush mounted module with the notches on the panel. Snap the panel into place and press it down.

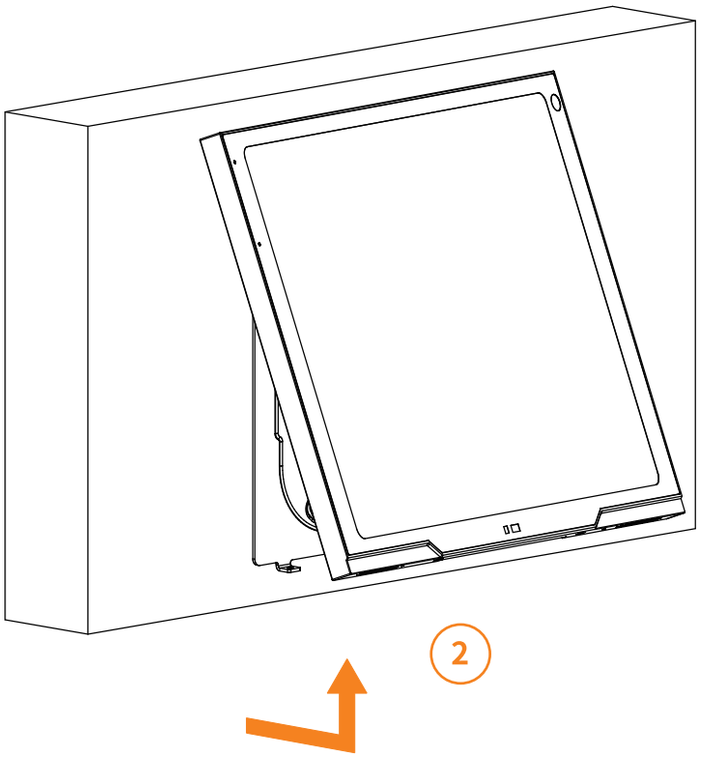


- Check the panel is properly clipped onto the module and is flush against the wall.
- Locate two screw holes on the bottom of the panel, each already containing a screw.
- Tighten the screw with the included hex key.

If you need to remove the panel

1.Turn the screws with the hex key until the rear edge of the panel comes loose.
2.Hold the panel’ s top with one hand, and pull the panel outwards from the bottom.





Congratulations!

You are done with the HyPanel Supreme installation!

Start your smart home journey with akubela now!

Get Help

For help or more assistance,
contact us at: https://ticket.akuvox.com/

For videos, guides, and additional product formation,
visit us at: https://knowledge.akuvox.com

YS10000076