INSTALLATION MANUAL

TIS IO 8G PANEL

Wall Switch with 8 Buttons

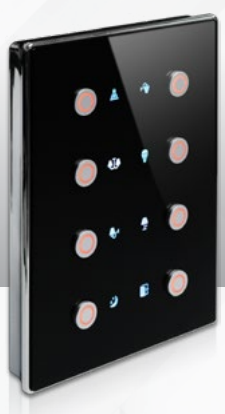
Model: IO-8G

TIS CONTROL EVERYTHING

PRODUCT INFORMATION

This product is a BUS-operated wall switch with push buttons for smart control over lights ON/OFF/dimming & scenes. It is available in black and white and features customizable LED becklit for more applicability.

PRODUCT SPECIFICATIONS			
	Input	Using panel addition	2-3 Digital Input
	Output	Using panel addition 3R Using panel addition 3DL-12V Using panel addition 2DL-IRE	3 Relay output 3A/5A 12V DC 50mA output IR Emitter
TISBUS	**TIS Bus**	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <45 mA / 24 V DC
	Protection		Reverse polarity protection ESD protection
	Operation	push buttons Backlight TIS bus	8 push buttons with White/Orange LED White backlit indicators TIS Protocol messages and commands
	Dimensions	Width × Length × Height	94mm × 129mm × 13mm
	Housing	Materials Casing color Internal parts color IP rating	Fireproof PC / Acrylic in front Silver plating frame, acrylic white or black Black / white IP 50



BARCODE (UPC-A)

6 58921 80008 9

Read Instructions

We recommend that you read this Instruction Manual before installation.

Safety instructions

Electrical equipment should only be installed and fitted by electrically skilled persons.
Failure to follow the instructions may cause damage to the device and other hazards.
These instructions are an integral part of the product and must remain with the end customer.

Programming

This device can be tested and programmed manually. Advanced programming requires knowledge of the TIS Device Search software and instruction in the TIS advanced training courses.

Simple Installation

You can use 2 screws to install this panel on wall; it fits on most junction box sizes.

Mounting Location

Install in a dry, indoor area with a suitable temperature and humidity range.

Data Cable

Use screened stranded RS485 data cable with four twisted pairs. Configure devices in a “Daisy Chain.”
Do not cut or terminate live data cables.

Electrical Wires

The recommended wire size for light channels is 1.5mm - 2.5mm for loads, if you are using the Panel Addition 3R type. The installer should consider the total current consumption when selecting the wires.

Warranty

There is a two-year warranty provided by law. The hologram warranty seal and product serial number are available on each device.

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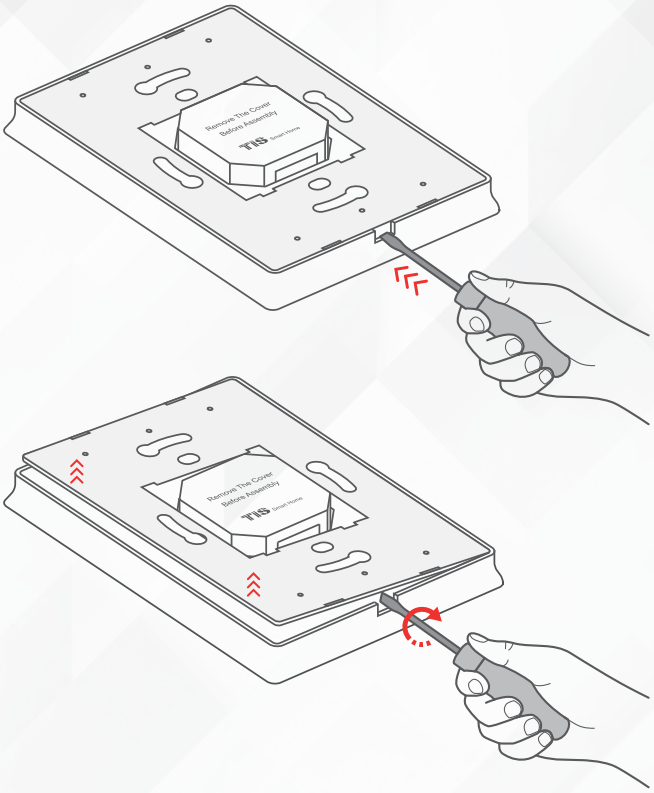
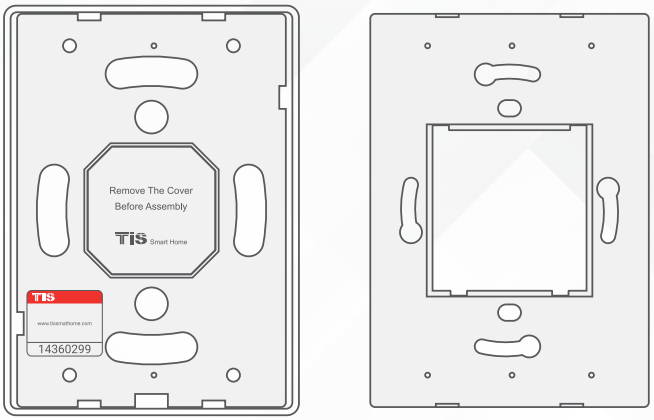
INSTALLATION STEPS

1 Insert a large flathead screwdriver in the hole of the Panel Cover. Rotate the screwdriver 90 degrees.



2 Separate the Cover, Main Panel, and Wall Base from each other.



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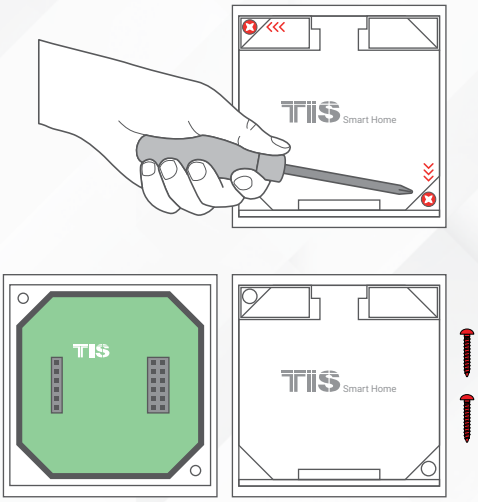
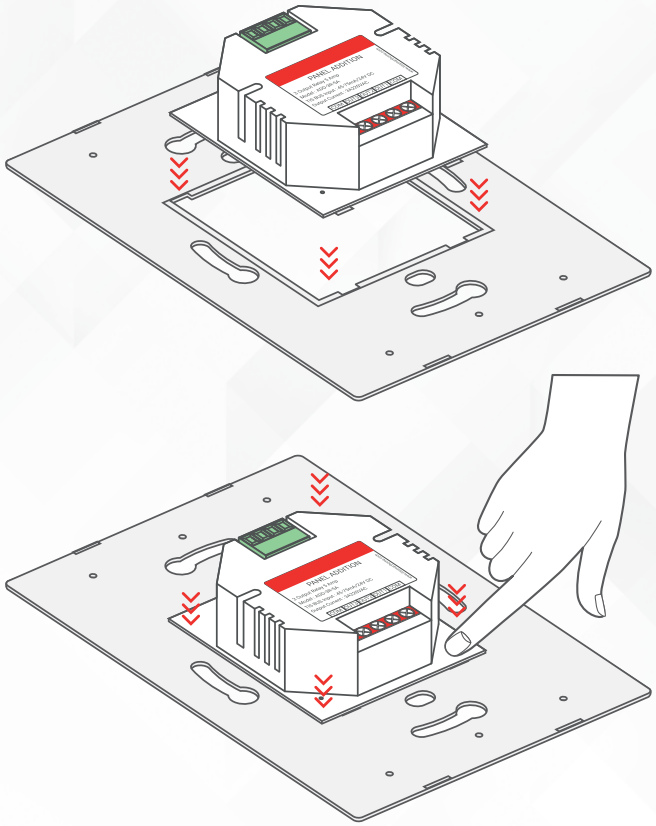
INSTALLATION STEPS

3 Remove the 2 screws on the Panel Addition cover.



4 Connect the Wall Base and Panel Addition in this position. Place the upper pins as shown, and then push the down pins down with your fingers to assemble.



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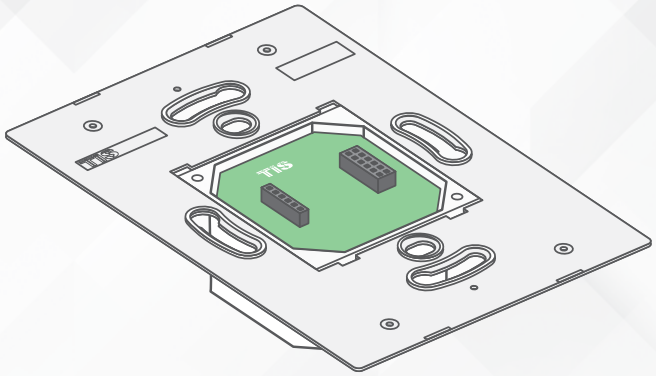
INSTALLATION STEPS

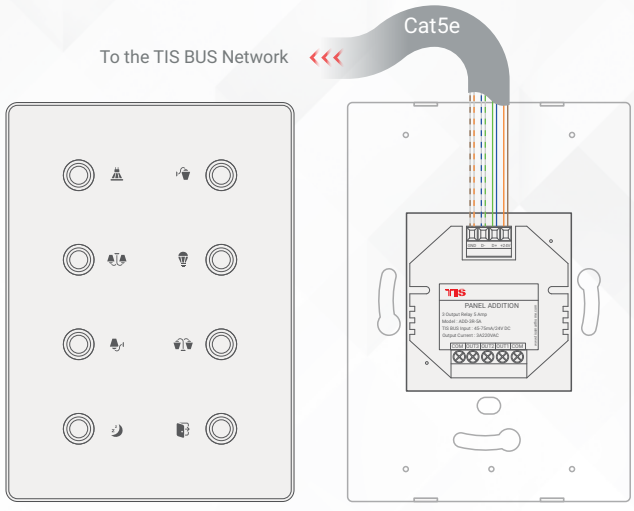
It should look like this following the correct assembly.



5 Turn off the main electrical source before installation.

WARNING! HIGH VOLTAGE

6 Connect the Cat5e TIS BUS wire to the Panel Addition.



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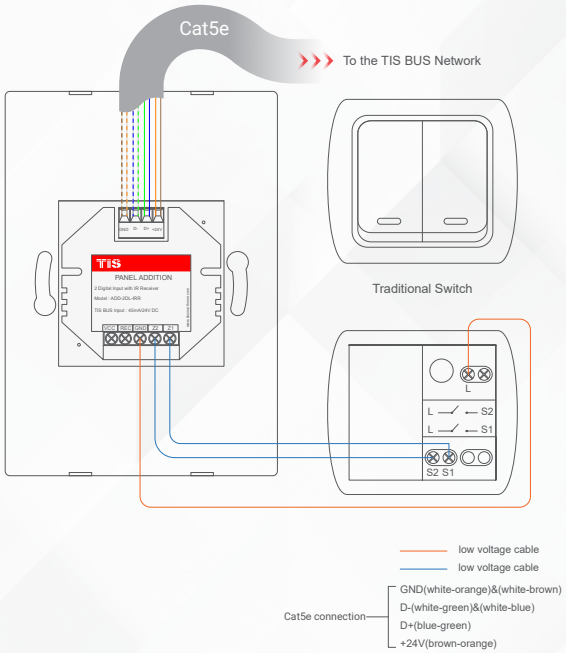
INSTALLATION STEPS

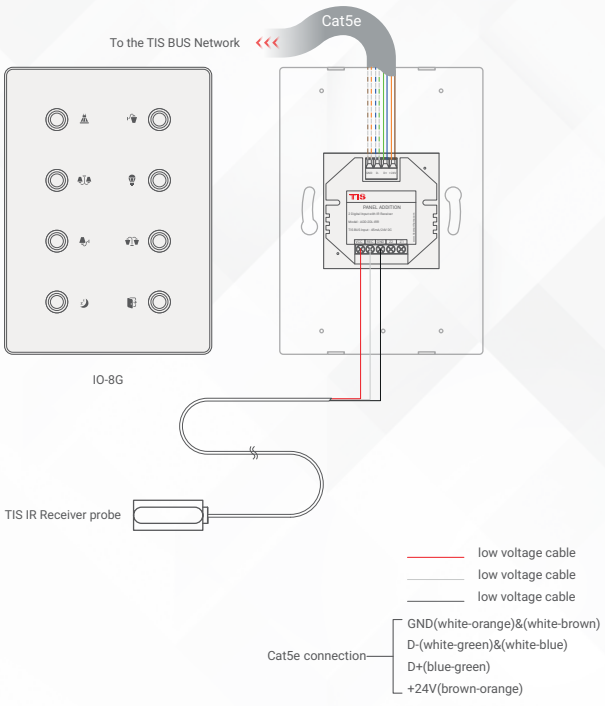
7 Connect the other connection if needed as per the panel addition type.

FOR PANEL ADDITION 2DL-IRR

You can connect 2 digital inputs to any switch or window magnet.



- You can add an External Infrared Receiver to the IRR Port, connect as follows:
  - the IR Receiver black wire to GND
  - Gray wire to REC
  - Red wire to VCC Terminal.



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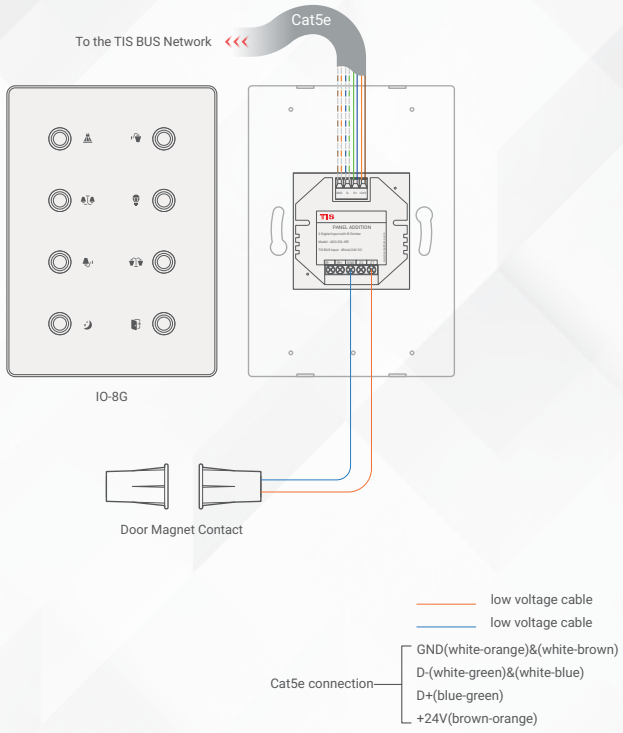
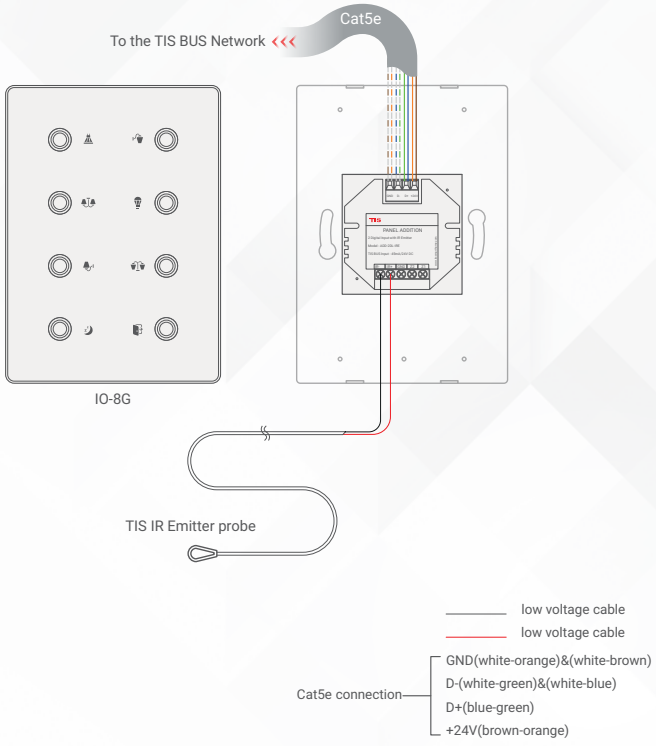
INSTALLATION STEPS

FOR PANEL ADDITION 2DL-IRE

You can connect 2 digital inputs to any switch or window magnet.



- Connect the IR Emitter Probe's positive wire to IR+ terminal.
- Connect the negative wire to IR-terminal.



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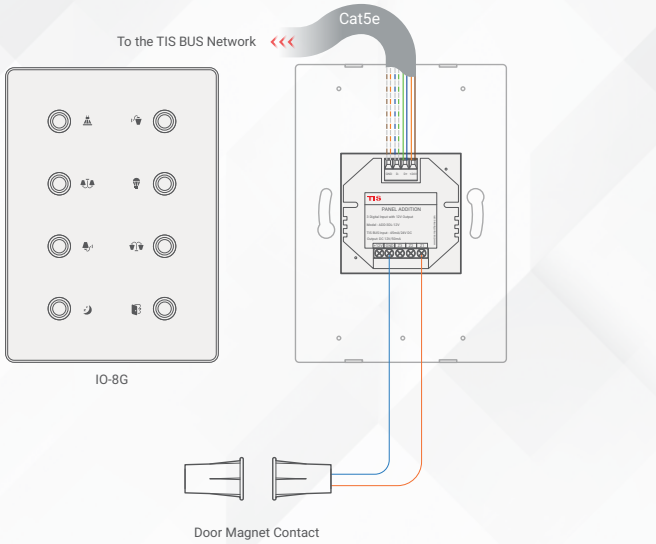
INSTALLATION STEPS

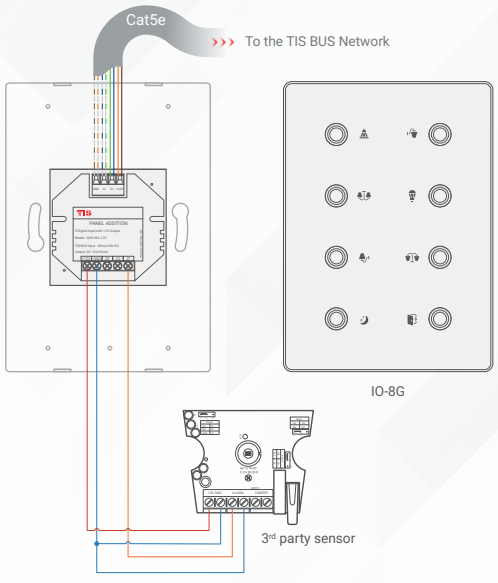
FOR PANEL ADDITION 3DL-12V

You can connect 3 digital inputs to any switch or window magnet.



low voltage cable
low voltage cable
Cat5e connection
GND(white-orange)&(white-brown)
D-(white-green)&(white-blue)
D+(blue-green)
+24V(brown-orange)

Also, you can connect any 12V operated smoke detector or any 3rd party sensor with NC/NO connection to the 12V GND and Z1-Z3 terminals as per the diagram.



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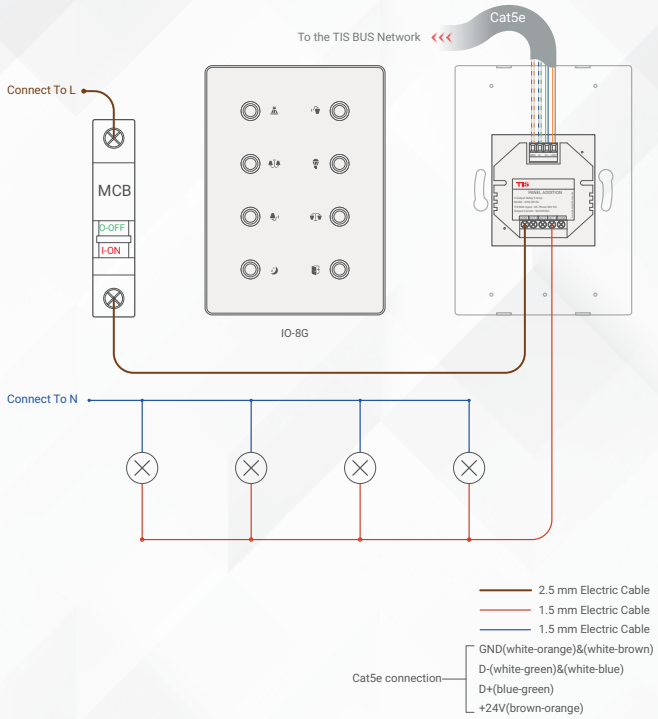
FOR PANEL ADDITION 3R-5A

LIGHTING CONNECTION

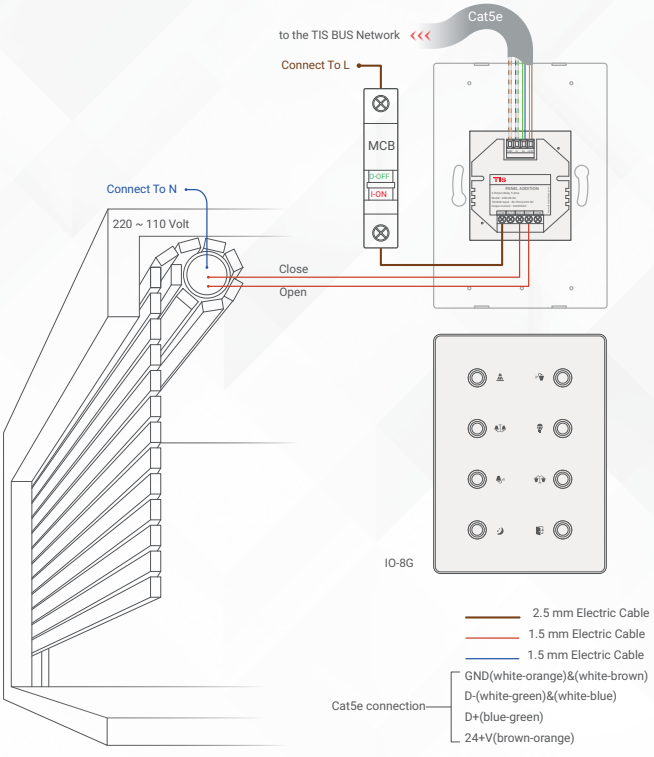
- Connect the live wire to COM
- Connect the loads wire to Out1-Out3 to terminals
- Connect load neutral wire to main neutral in the distributor box.



SHUTTER / CURTAIN CONNECTION

- Connect the Supply wire to COM
- Connect the Open wire to OUT1
- Connect the Close wire to OUT2
- Shutter neutral connection, if it exists, can be looped to main neutral in the distributor box.

WARNING: Set the curtain function in the software before connecting the wires.



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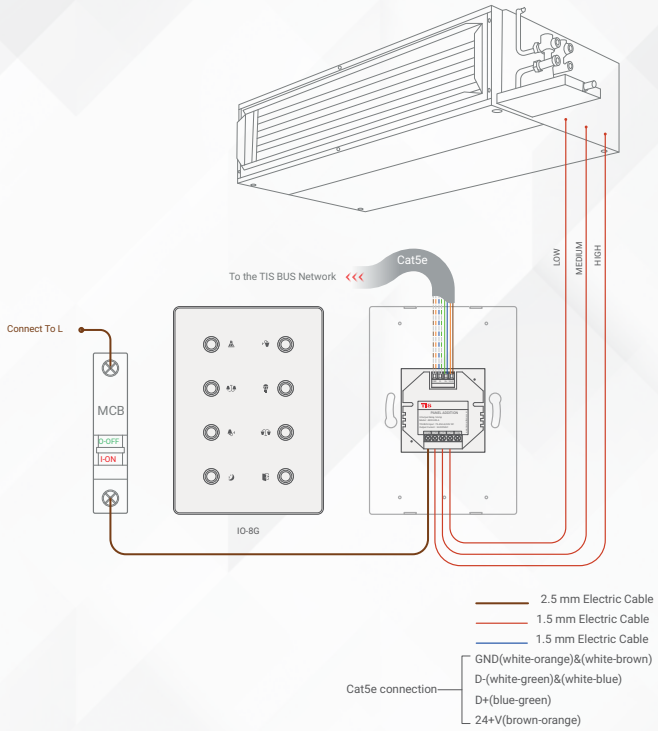
INSTALLATION STEPS

FOR PANEL ADDITION 3R-5A

FCU CONNECTION

- Connect the supply wire to com
- Connect the FAN Low, Medium, and High wires to Out1, Out2, and Out3 in the same order.

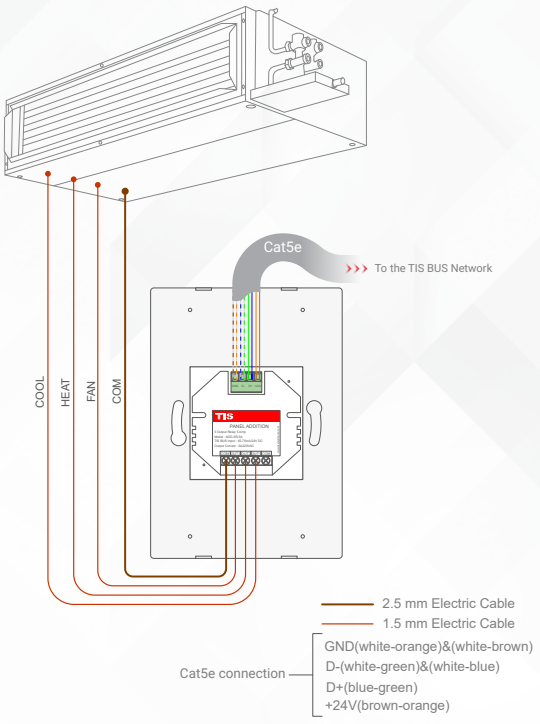
WARNING: Set the FCU function in the software before connecting the wires.



HVAC CONNECTION

- Connect the HVAC COM (supply) wire to COM
- Connect the Cool, Heat, and FAN wires to Out1, Out2, and Out3 in the same order.

WARNING: Set the HVAC function in the software before connecting the wires.



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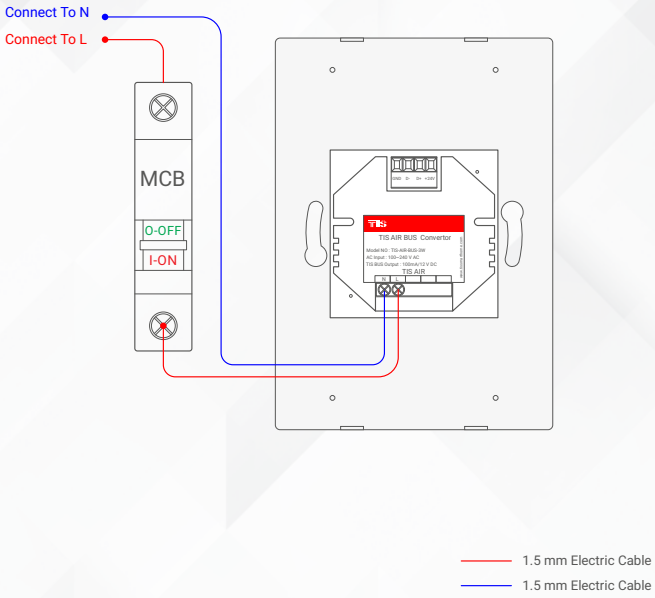
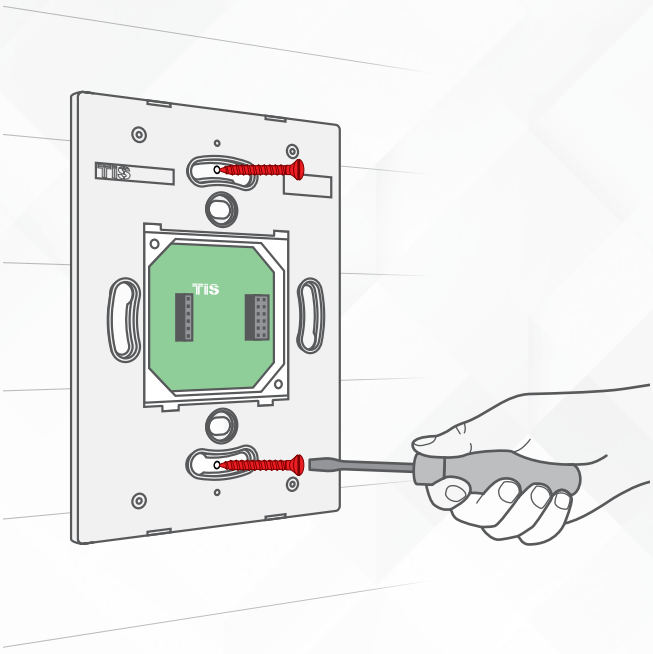
INSTALLATION STEPS

FOR PANEL ADDITION AIR-BUS-3W

- Connect the live wire to the L terminal,
- Connect the neutral wire to N terminal.



8 Mount the device on the wall using 2 screws on the junction box.



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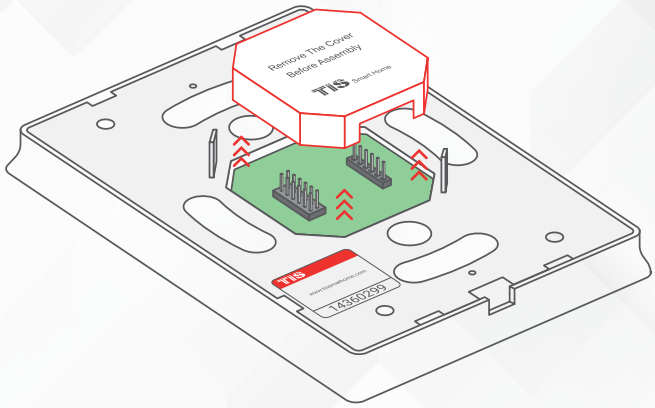
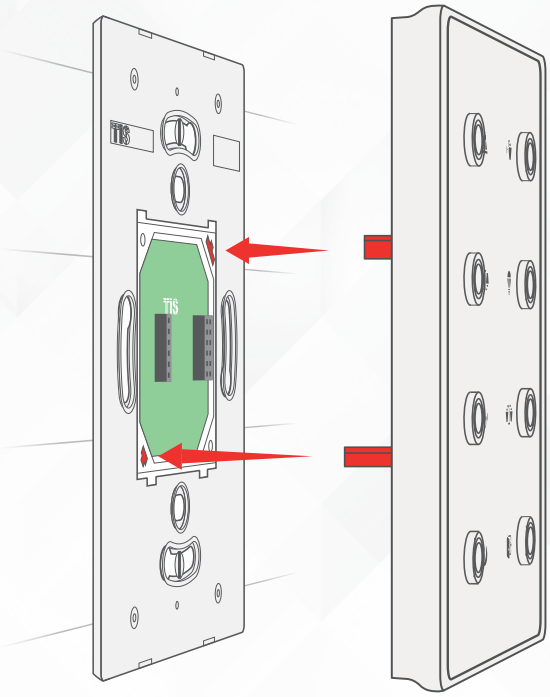
INSTALLATION STEPS

9 Using your fingers, pull the protective plastic cover vertically, remove it, and throw it away.



10 Connect the main Luna panel vertically to the part installed on the wall; install the upper part by making sure the buckles are completely inside.



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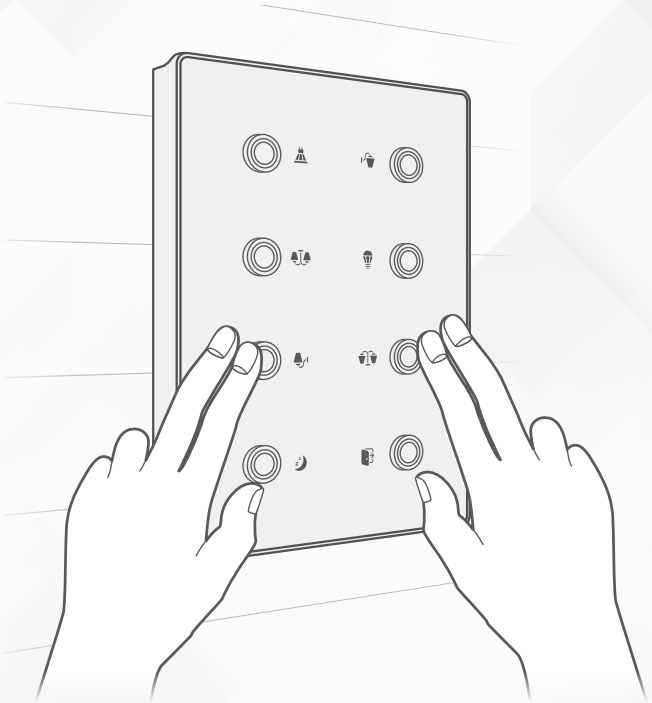
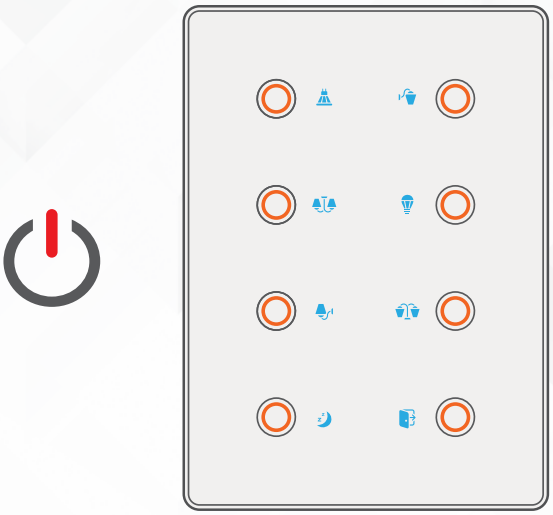
INSTALLATION STEPS

11 Push on the bottom part of the main panel to fix it to the wall and complete the assembly.



12 Turn on the power source. The panel should turn ON.



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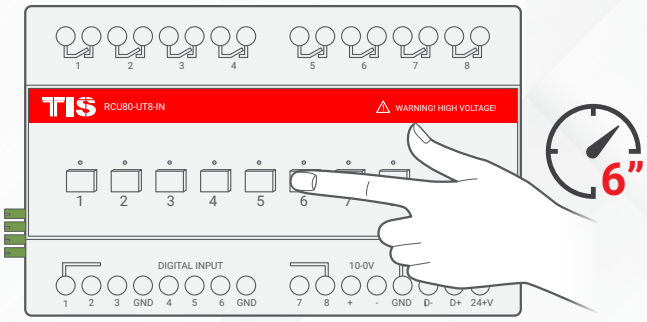
PAIRING (MANUAL PROGRAMMING)

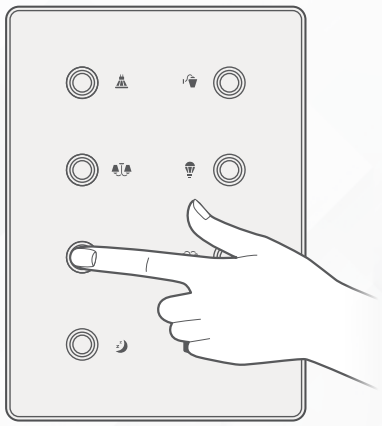
LIGHTS / SHUTTERS PROGRAMMING

You can pair the light channels with any wall panel. To do so, follow these steps:

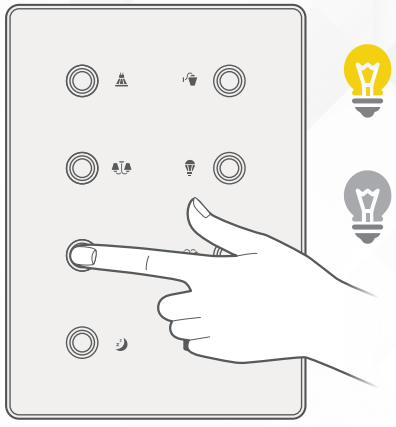
1 Press any button on any relay or dimmer module channel for 6 seconds so that the LED indicator light of that button starts blinking.



2 On the IO Push buttons, shortly press on any push button or press the wall switch that is connected to the dry inputs of the panel addition zones.



3 Test the button on the panel by short pressing it for ON/OFF and long pressing it to dim (if channel is dimmable).



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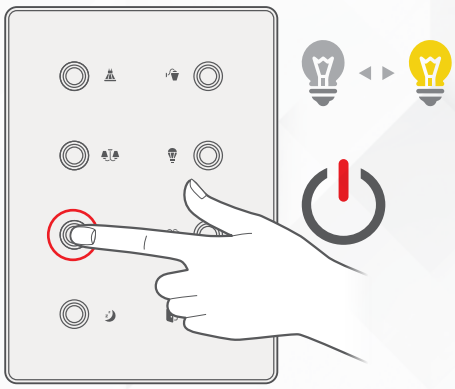
USER OPERATION

LIGHTS / SHUTTERS / SCENE CONTROL

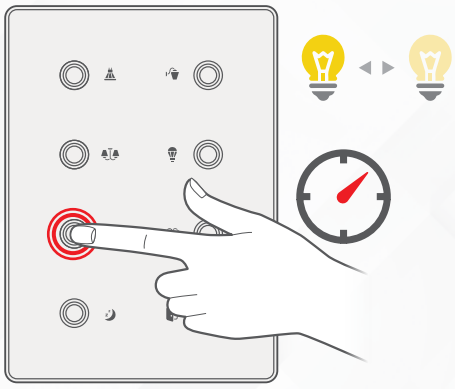
You can use the 8 push buttons to control lights and other devices.

Press on the push buttons as follows:

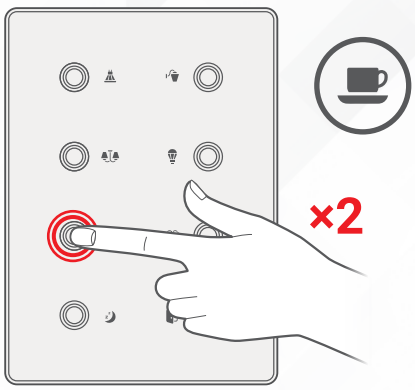
- Short press for lights ON/OFF, shutter open/close, or to run a scene.



- Long press to dim or ramp up the lights.



- Double click to trigger a special programmed scene.



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TROUBLESHOOTING

The panel's buttons blinks rapidly	**Reason:** The panel address conflicts with another device in the TIS network. You need to press and hold any push button for 6 seconds so that the panel can get a new address.
The panel buttons' LEDs do not turn ON, and the device is not powered	**Reason 1:** There is no TIS-BUS power or no connection to the L/N input (if used AIR bus-3W converter). **Reason 2:** The TIS 24V power supply is not connected to the TIS-BUS.
The wall panels fail to pair with other devices	**Reason 1:** The TIS-BUS connection has a problem, or the wire has a short. **Reason 2:** The manual programming function is disabled on the device (it is enabled by default).
The wall panels fail to control the device channels	**Reason 1:** The TIS-BUS connection has a problem, or the wire has a short. **Reason 2:** The programming address is faulty.
The backlite display on some buttons is the wrong color if the light is turned ON/OFF	**Reason:** Software LED backlite setting has been changed. Please program it to show the correct color.

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