

INSTALLATION MANUAL

TIS TITAN/TITANIA 2-4 GANGS TOUCH PANEL



Model: TIT-2G-BUS-K, TIT-3G-BUS-K, TIT-4G-BUS-K
TIT-2G-BUS-S, TIT-3G-BUS-S, TIT-4G-BUS-S



i PRODUCT INFORMATION

The Titan/Titania 2-4 gang panel series features elegantly designed wall switches with 2-4 touch buttons and RGB backlights. These panels have the compatibility to control lights, curtains, and scenes, and offer personalized texts and images.

PRODUCT SPECIFICATIONS

Touch	Active area Touch type	2-4 buttons (as per model numbers) Capacitive
Input	Temp sensor Dry inputs	Resistive temp sensor 2 Digital inputs
Output	Model 2G Model 3G Model 4G	2 Relay outputs 5A 3 Relay outputs 5A 4 Relay outputs 3A
TIS Bus	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <60 mA / 24 V DC
Protection		Reverse Polarity Protection ESD Protection
Reaction time		approx. 20ms
Mounting	Wall mount	with 2 screws on the back box (UK, Europe, US)
Connection terminal	Data and Digital Inputs Relay Channels	6 pushing pin type 1.5mm 4 pushing pin type 2.5 mm
Operating and display elements	Touch buttons Backlight TIS bus Upgrading	2-3 touch buttons for control 2-3 RGB indicators TIS protocol messages and commands Rs485 upgrade kit
Functions	1 Press Long Press Double click	ON/OFF/Scene Dim or turn up the lights Extra scene
Dimensions (Width x Length x Height)	Titan with the cover Titania with the cover	90mm x 3mm x 86mm 66mm x 3mm x 110mm
Housing	Materials Casing color Internal Parts color IP rating	PC fire proof / Glass in front Aluminum, glass, or plastic frame Black IP 50





Read Instructions

We recommend that you read this Instruction Manual before installation.



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.



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.



Electrical Wires

The recommended wire size for light channels is 1.5mm - 2.5mm. The installer should consider the total current consumption when selecting the wires.



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.



Warranty

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



Simple Installation

Using 2 drywall screws, simply screw this panel to the wall.

The Titan & Titania panels fit into the UK & US junction boxes respectively.



Mounting Location

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

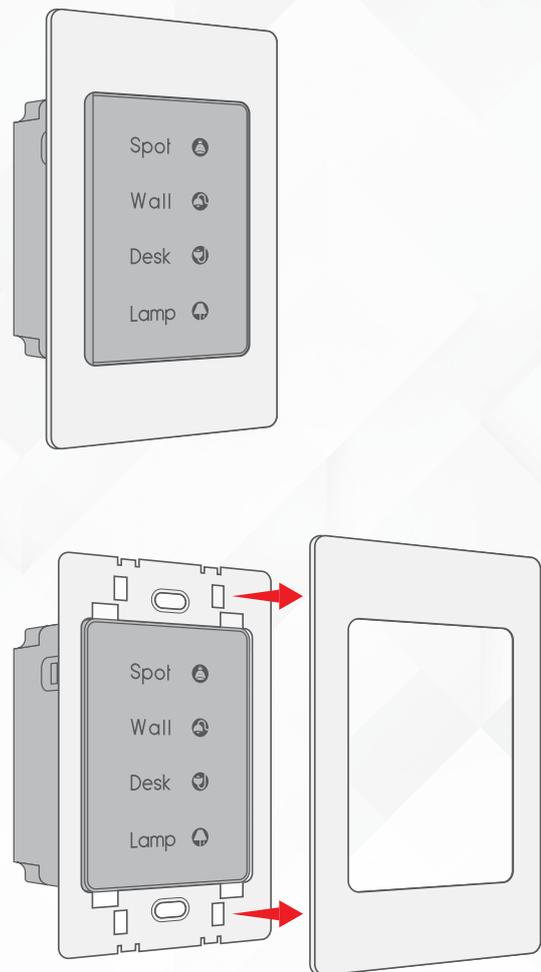


INSTALLATION STEPS

1 » Turn off the power source.



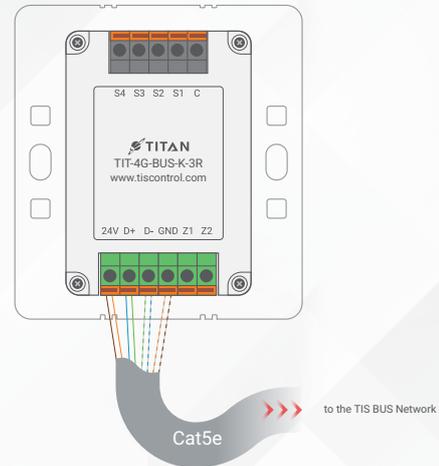
2 » Separate the plastic wall cover from the panel.



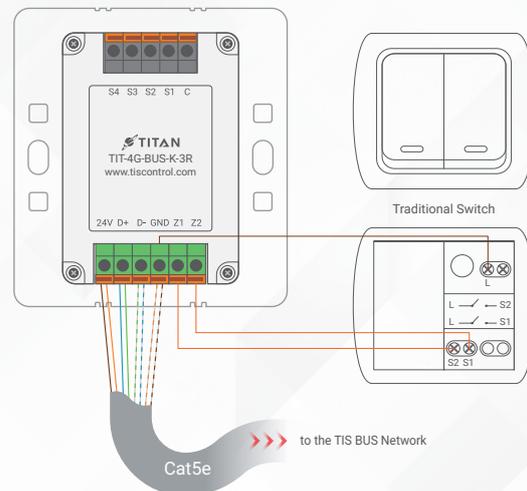
INSTALLATION STEPS

3 Insert the wires into the panel. Connect the TIS- bus connection to 24V+, D+, D-, and GND terminal.

4 You can connect 2 digital inputs to any switch or window magnet. Connect the digital input wires to GND, Z1, and Z2 terminals, as is shown in the diagram.



Cat5e connection —
 GND(white-orange)&(white-brown)
 D-(white-green)&(white-blue)
 D+(blue-green)
 L +24V(brown-orange)



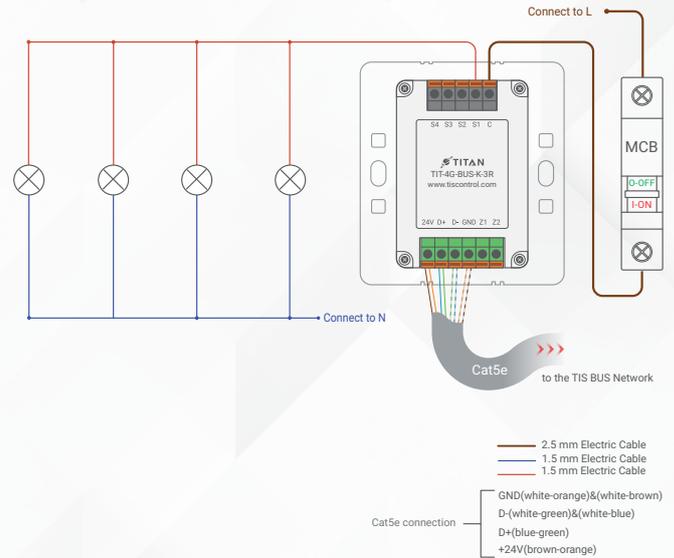
— low voltage cable
 — low voltage cable
 Cat5e connection —
 GND(white-orange)&(white-brown)
 D-(white-green)&(white-blue)
 D+(blue-green)
 +24V(brown-orange)

INSTALLATION STEPS

5 In the 3R type (panel with relays), connect the 110/220V to the COM terminal and the loads (lights) to the output terminals S1, S2, S3, and S4 as follows:

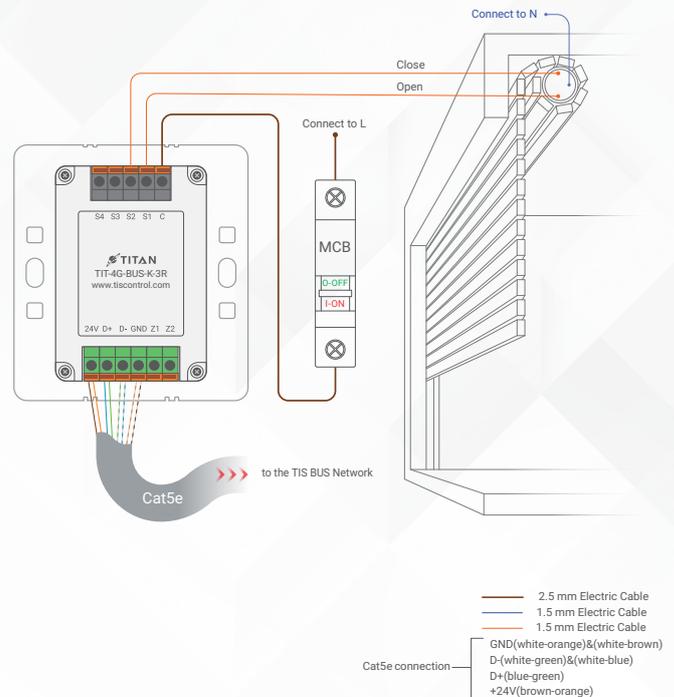
LIGHTING CONNECTION

- ▶ Connect the Live wire to COM
- ▶ Connect the Loads wire to S1-S4 terminals
- ▶ Connect the Neutral wire to main neutral in the distributor box.



SHUTTER / CURTAIN CONNECTION

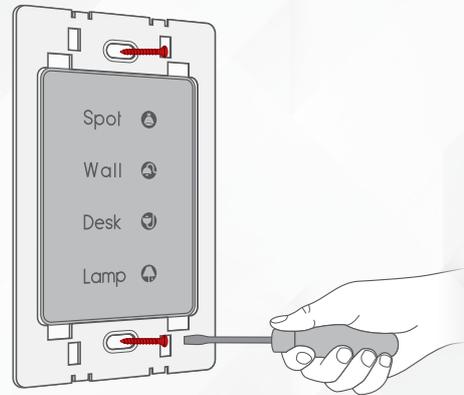
- ▶ Connect the Supply wire to COM.
- ▶ Connect the Open wire to S1.
- ▶ Connect the Close wire to S2.
- ▶ If the shutter neutral connection exists, can be looped to main neutral in the distributor box.



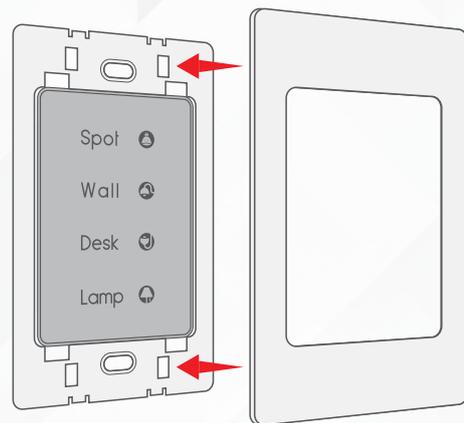
WARNING: Set the curtain function in the software before connecting the wires.

INSTALLATION STEPS

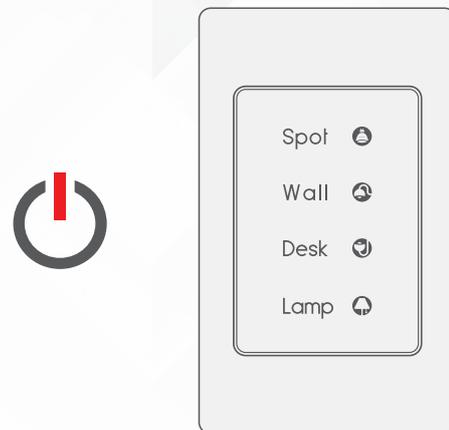
6 » Mount the device on the wall using 2 screws on the junction box.



7 » Put the plastic, metal, or glass cover on the main panel and push it to fix it in place.



8 » Turn on the power source. The panel should turn on.

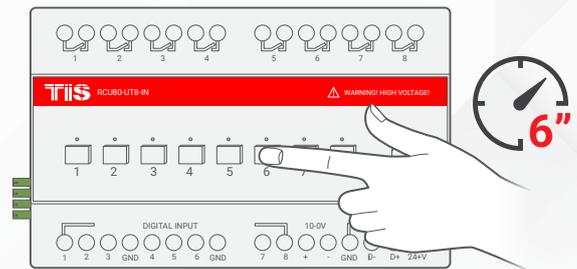


PAIRING (MANUAL PROGRAMMING)

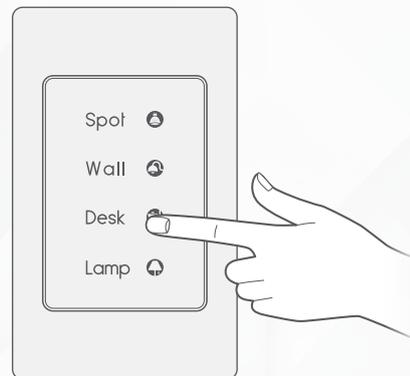
LIGHTS / SHUTTERS PROGRAMMING

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

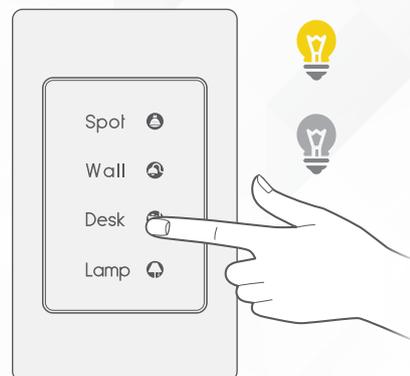
1 Press any channel button on any relay or dimmer module for 6 seconds so that the LED indicator light of that button starts blinking.



2 On the Titan/Titania lights pages, shortly tap on any button or press the wall switch that is connected to the dry inputs of the panel addition zones.



3 Test the feature by tapping the power button for lights ON/OFF or holding it to dim the light (if the channel is dimmable).



USER OPERATION

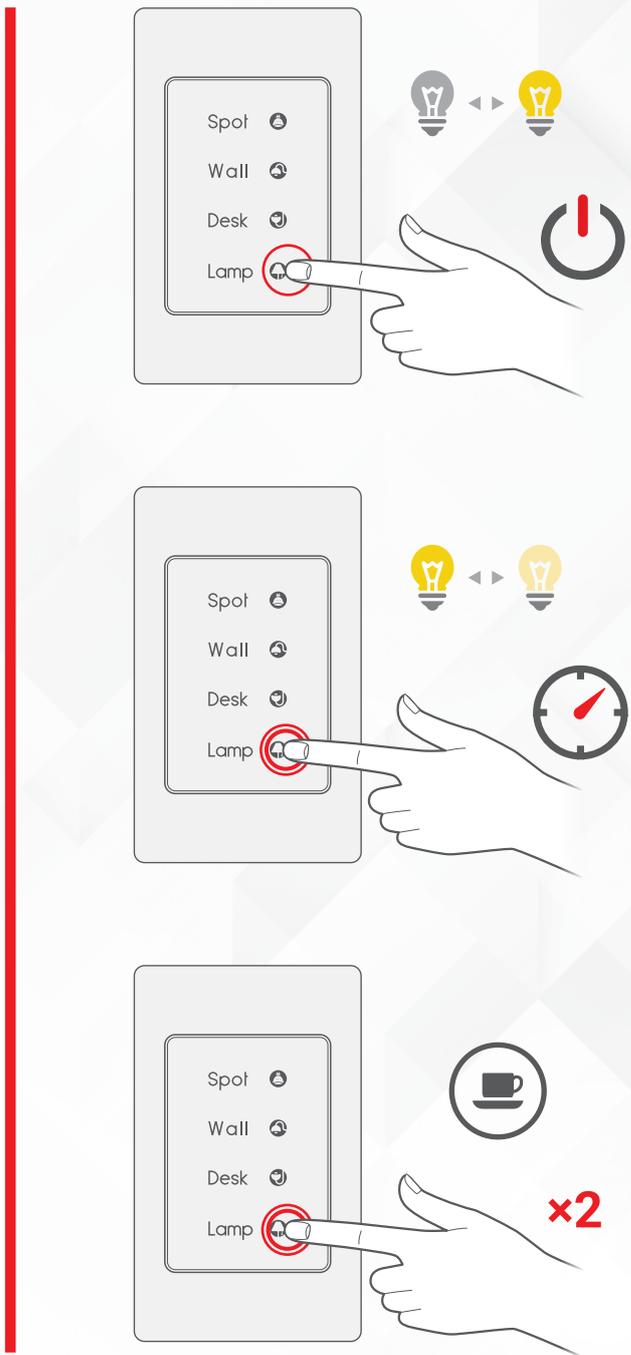
LIGHTS / SHUTTERS / SCENE CONTROL

Depending on the model, each panel features 2-4 buttons. Following the below instructions, use these light icons to manage your smart home's lights.

» Single tap to turn a light ON/OFF or to activate a scene.

» Tap and hold to dim or ramp up light intensity.

» Double tap to trigger a special programmed scene.





TROUBLESHOOTING



The panel's buttons blinks rapidly.

Reason: The panel address conflicts with another device in the TIS network. You need to hold the 1st and 2nd buttons 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 circuit.

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 circuit.

Reason 2: The programming address is faulty.