INSTALLATION MANUAL
LUNA HOTEL OUTDOOR BELL & SERVICE PANEL
### Models: LUNA-OUT-3S-BELL, LUNA-OUT-3S-BELL-RF

TIS
CONTROL EVERYTHING

## ⓘ PRODUCT INFORMATION

This product is a BUS-operated wall panel with room number and services display and a touch bell, designed for maximum convenience and efficiency in hospitality facilities.

PRODUCT SPECIFICATIONS

Touch	Active area	1 button for bell	
	Touch Type	Capacitive	
Input	Using panel addition	4 Digital inputs	
	IF used the RF type	RF reader (Optional frequency)	
Output	Low current relay	3 Relay output 3A/5A	
TIS Bus	Number of devices on 1 line	Max. 64	
	Bus voltage	12-32 V DC	
	Current consumption	<25 mA / 24 V DC	
Operation	touch buttons	1 touch button	
	Backlight	3 RGB indicators + Room number white LEDs	
Functions	Bell press	Touch button	
	Access control (RF type)	RF reader with relay output	
Dimensions	Width × length × height	94mm × 129mm × 13mm	
Housing	Materials	Fireproof PC / Glass in front	
	Casing color	Silver plating frame. Glass black	
	Internal parts color	Black & White	
	IP rating	IP 50	

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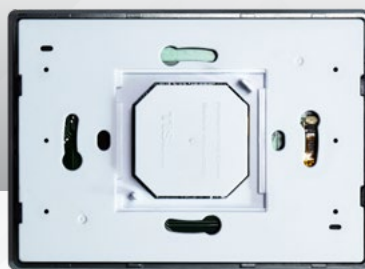
Read Instructions

We recommend that you read this Instruction Manual before installation.

Mounting Location

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

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.

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.

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

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

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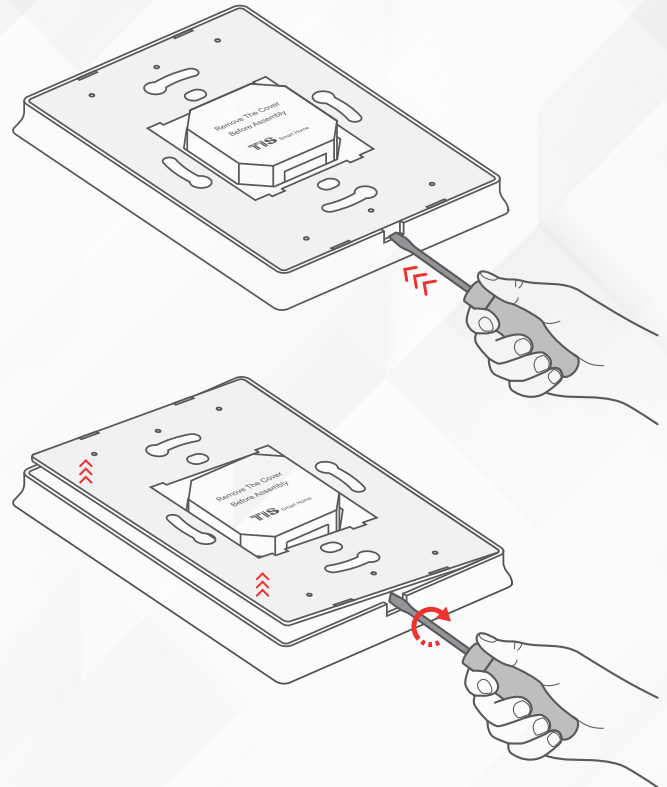Wanchai, Hong Kong

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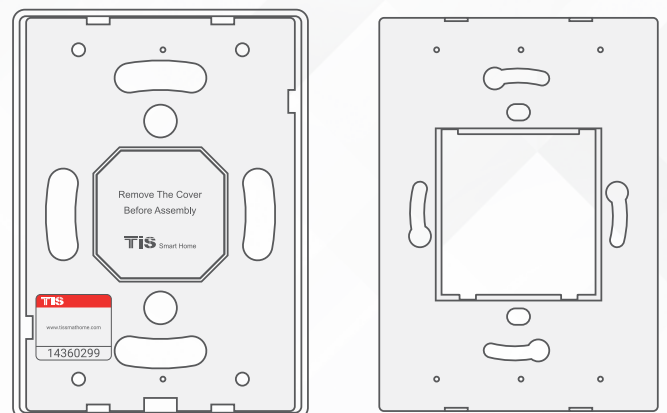
⚙ INSTALLATION STEPS

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.
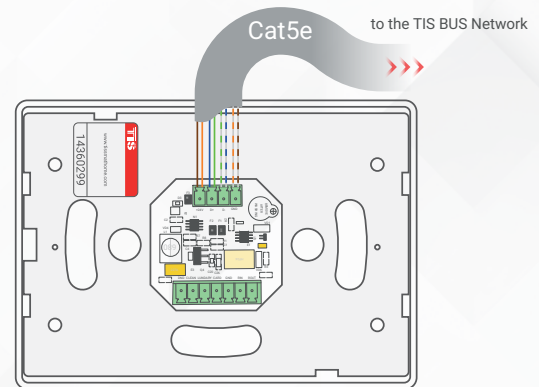

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⚙ INSTALLATION STEPS

3 ›› Turn off the main electrical source before installation.

⚡ **WARNING! HIGH VOLTAGE**

4 ›› Connect the Cat5e TIS BUS wire to the Panel Addition.

Cat5e   to the TIS BUS Network ›››

5 ›› Connect the other connection if needed between wall services switches to the digital inputs of the hotel panel as per the following diagram.

Cat5e   to the TIS BUS Network ›››

low volage cable
low volage cable

Cate5e connection
- GND(white-orange)&(white-brown)
- D-(white-green)&(white-blue)
- D+(blue-green)
- +24V(brown-orange)

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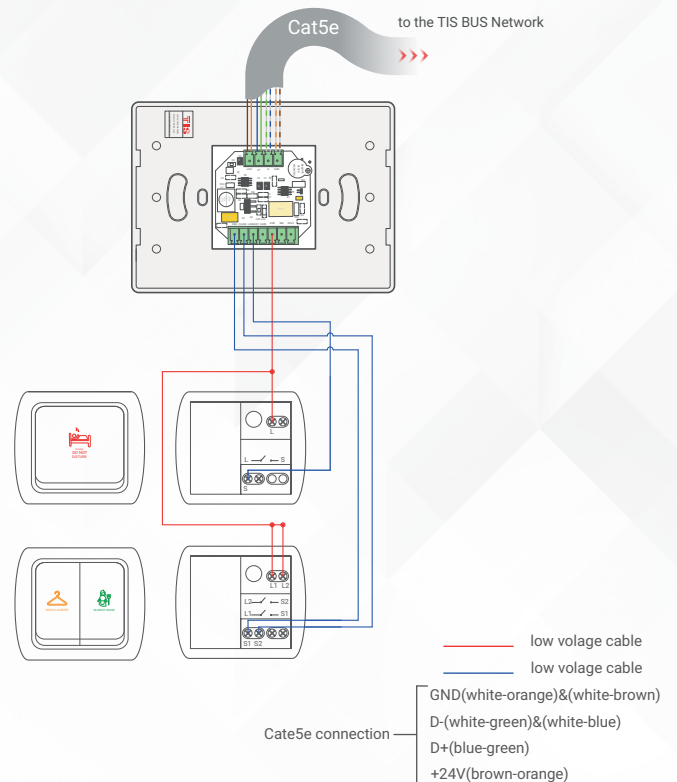
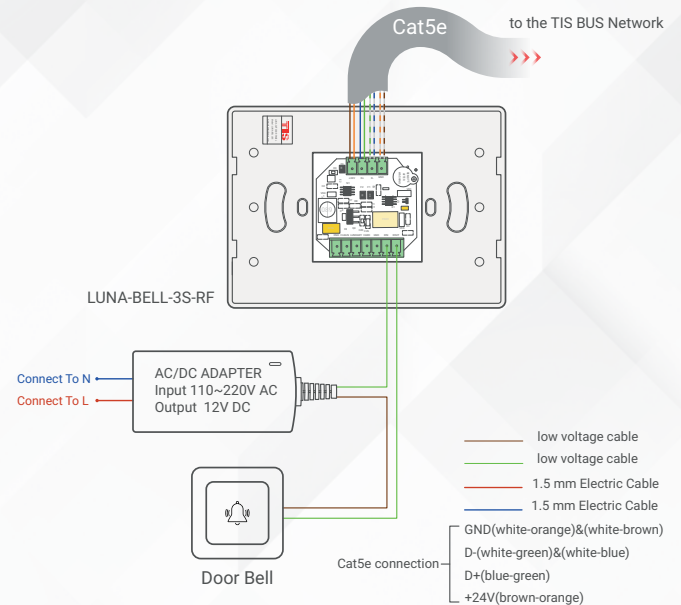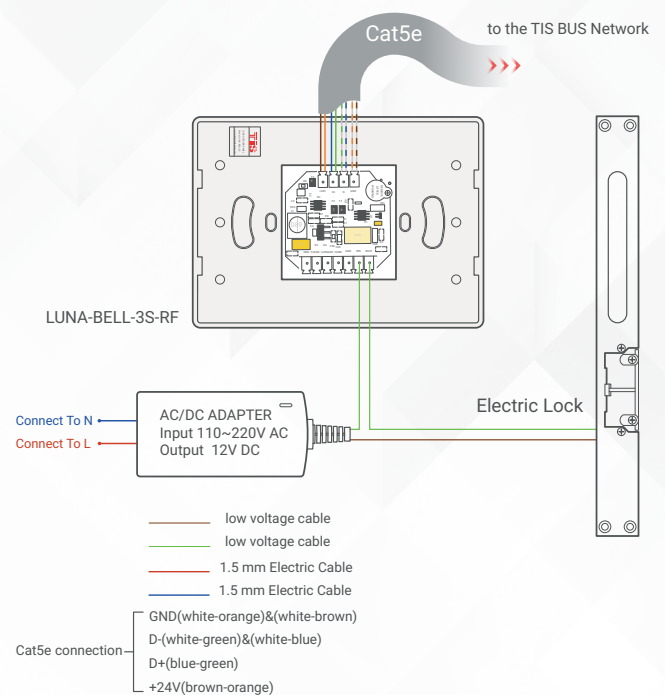## ⚙ INSTALLATION STEPS

6 ≫ Connect the Door Bell to the Relay if it exists in the room.

Cat5e — to the TIS BUS Network

LUNA-BELL-3S-RF

Connect To N
Connect To L

AC/DC ADAPTER
Input 110~220V AC
Output 12V DC

Door Bell

low voltage cable
low voltage cable
1.5 mm Electric Cable
1.5 mm Electric Cable

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

7 ≫ If you want to connect electrical lock to the RF Hotel panel type please connect it as per this diagram.

Cat5e — to the TIS BUS Network

LUNA-BELL-3S-RF

Electric Lock

Connect To N
Connect To L

AC/DC ADAPTER
Input 110~220V AC
Output 12V DC

low voltage cable
low voltage cable
1.5 mm Electric Cable
1.5 mm Electric Cable

Cat5e connection
- GND(white-orange)&(white-brown)
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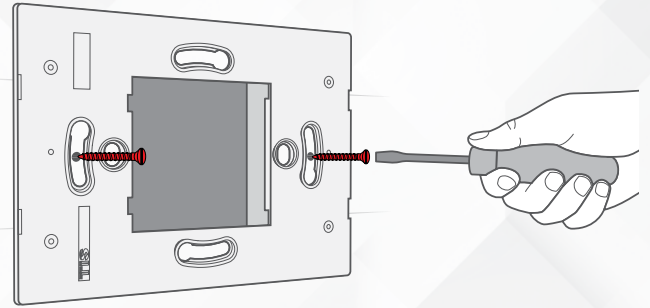Wanchai, Hong Kong

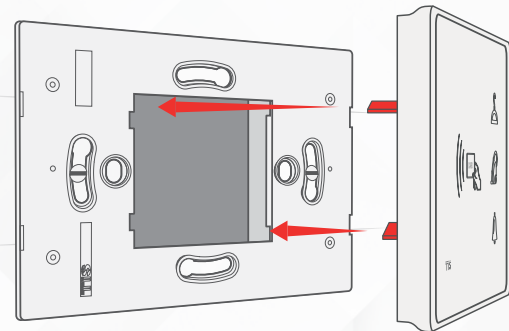www.tiscontrol.com

⚙ INSTALLATION STEPS

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

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

10 ⟫ Turn on the power source. The panel should turn ON.

? USER MANUAL

## SERVICE INDICATION AND BELL PRESS

The hotel service light will light up to a indicate service request, such as Laundry, Make Up Room, or Do Not Disturb (DND). The backlit color can be set from the software.

The bell colors indicate the following:

FUNCTION		CONTROL BUTTON
Blue (default)	🔔	Room Occupied, DND is OFF. You can press the bell, and it will ring inside the room if the bell is connected.
Red (default)	🔔	DND mode is ON; No bell function.
OFF (No backlight)	🔔	Room is vacant, so room service can start cleaning first thing in the morning, as a priority.

RF ACCESS CONTROL

If you are using the panel with the RF reading access control function, you can swipe the card near the reader position in the panel, and the door open.

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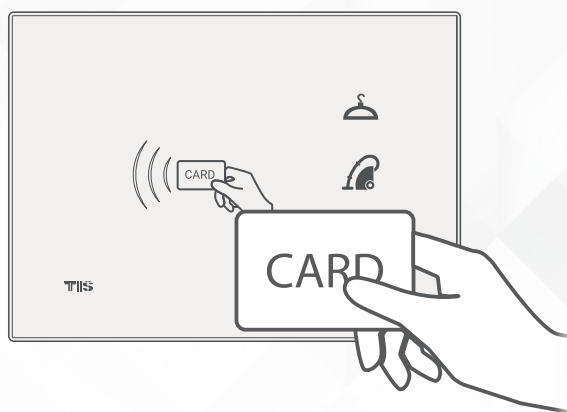
TROUBLESHOOTING

The panel buttons' LEDs do not turn ON, and the device is not powered.

Reason: The TIS 24V power supply is not connected to the TIS-BUS.

The wall panels fail to communicate with other devices.

Reason: The TIS-BUS connection has a problem, or the wire has a short.

Service LED is not turning ON/ OFF.

Reason 1: When programming, you did not set the right message or address.

Reason 2: ON status color is set to black in the software.

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