INSTALLATION MANUAL
TIS LUNA CARD SWITCH
Card Holder Panel
MODEL: LUNA-CARD

TIS®
CONTROL EVERYTHING

ℹ PRODUCT INFORMATION

This product is a programmable card reader device designed for hospitality facilities. Placed in corridor next to a room door, it provides access control bu communicating with RFID cards.

PRODUCT SPECIFICATIONS		
Inputs	RF card reader	Temic RF type
TIS Bus	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <25 mA / 24 V DC
Protection		Reverse polarity protection ESD protection
Operation	Card switch TIS bus Upgrading	Card RF reader TIS Protocol messages and commands By Rs485 upgrading kit
Functions	CARD Switch	To turn off lights if no occupancy or if card removed
Dimensions	Width × Length × Height	129mm × 20mm × 94mm
Housing	Materials Casing color Button color IP rating	Fireproof PC / Glass in front Silver plating frame. Glass black Silver IP 50

CE RoHS COMPLIANT PC⁻ ✓ FC
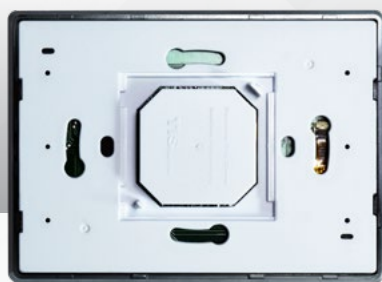
Read Instructions

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.

Warranty

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

Programming

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.
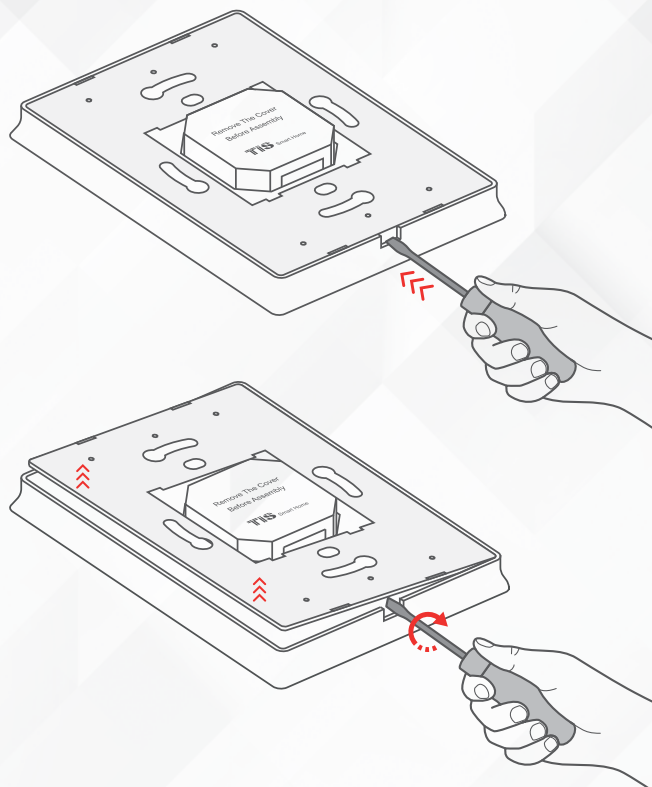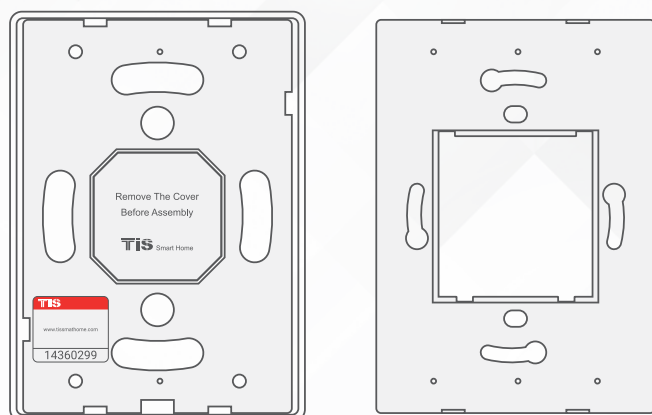
2

INSTALLATION STEPS

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

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

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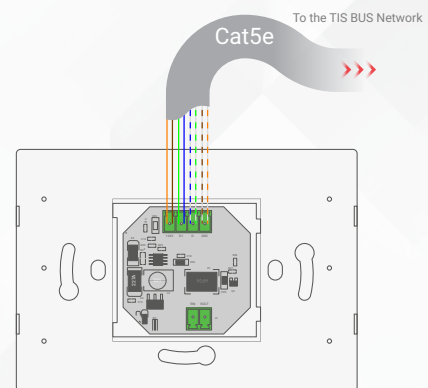
⚙ INSTALLATION STEPS

3 › Turn off the main electrical source before installation.

⚡ **WARNING! HIGH VOLTAGE**

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

To the TIS BUS Network

Cat5e

5 › Connect the other connection if needed between wall services switches to the digital inputs of the hotel panel as per the following diagram.
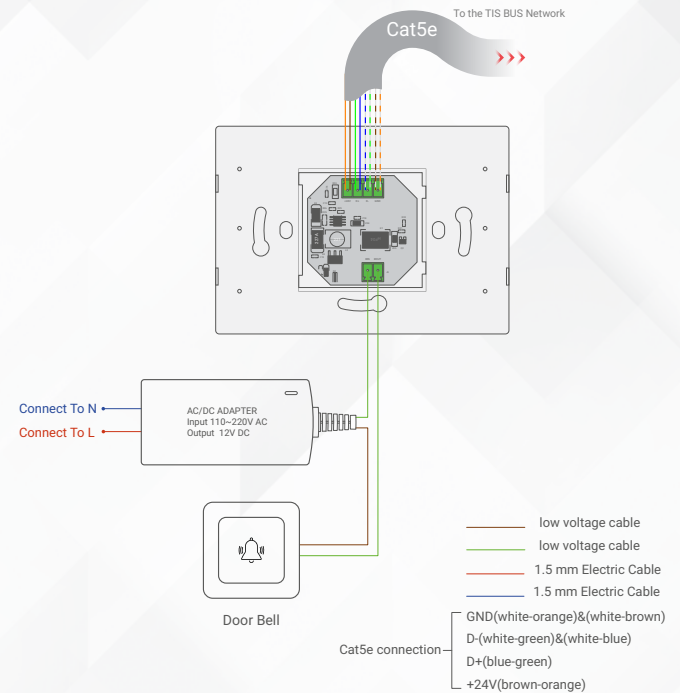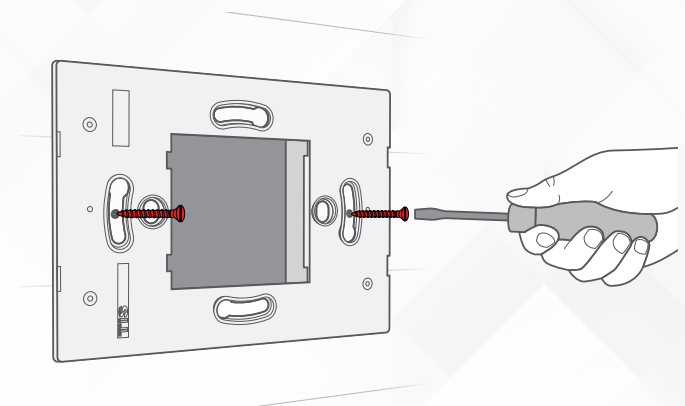
Cat5e   To the TIS BUS Network

Connect To N
Connect To L

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

Connect To L

MCB
0-OFF
1-ON

Contactor 12v DC
60A-250VAC

Connects to all room units

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

Cat5e 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

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 ⟫ Mount the wall base on the wall using 2 screws on the junction box.

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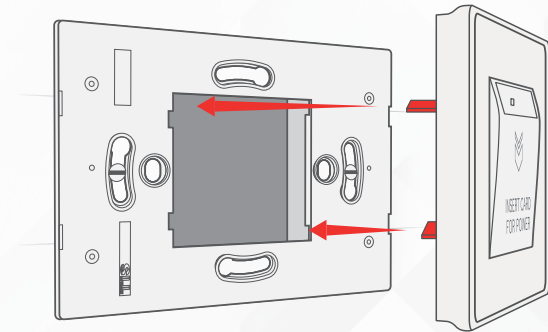Wanchai, Hong Kong

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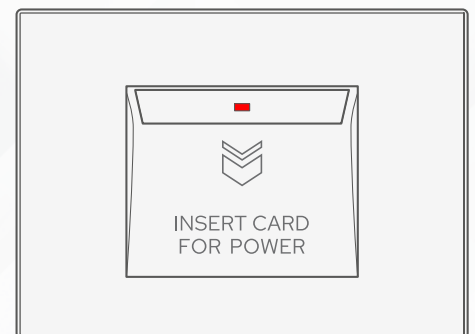
⚙ INSTALLATION STEPS

8 ›› Connect the main Luna panel horizontally to the base installed on the wall.

install the upper part by making sure the buckles are completely inside.

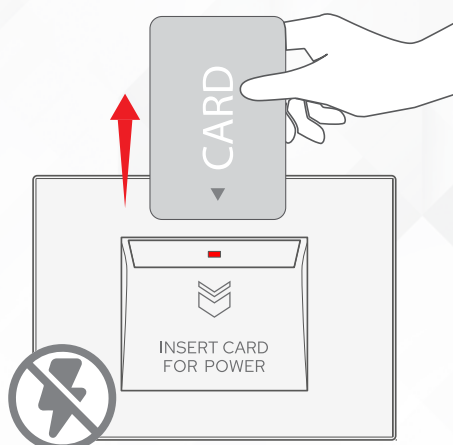**9** ›› Turn on the power source. The panel should turn ON.
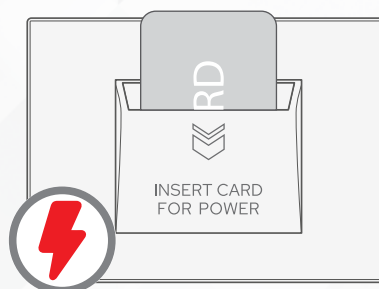

INSERT CARD FOR POWER

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USER MANUAL

LED INDICATOR

The hotel card Led will light up if no card inserted, and will turn off if the correct card is inserted.

CARD

INSERT CARD FOR POWER
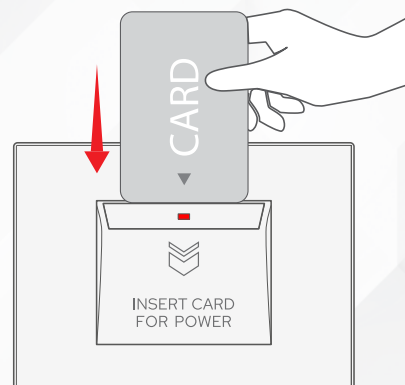
RF CARD POWER SWITCH

You can put your hotel card into this interface's slot to turn on the room's power, and pull it out to trigger the energy saving mode. The 10-seconds delayed power-off design of this switch maintains your comfort.

INSERT CARD FOR POWER

CARD

INSERT CARD FOR POWER

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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.

Card inserted but the panel LED do not turn OFF.

Reason 1: Panel is programmed to accept room card only, and the card is not programmed to the same room.

Reason 2: Card's check-in date is expired.

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