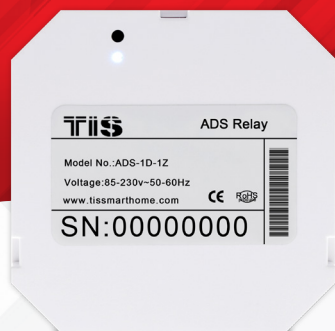# INSTALLATION MANUAL
TIS AIR ADS DIMMER
DIMMER MODULE WITH WI-FI COMPATIBILITY
Model: ADS-1D-1Z

TIS®
CONTROL EVERYTHING

ADS Relay
Model No.:ADS-1D-1Z
Voltage:85-230v~50-60Hz
www.tissmarthome.com   CE RoHS
SN:00000000

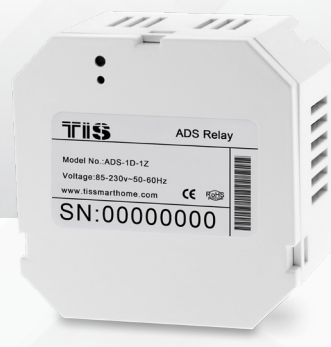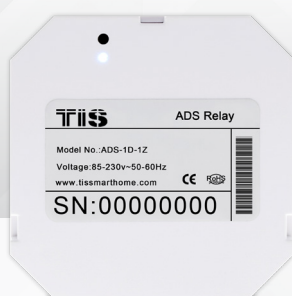## ℹ PRODUCT INFORMATION

The ADS Dimmer is a Wi-Fi-enabled universal dimmer module that is used to dim lights and can connect to the Internet for remote control through the TIS app. It includes 1 dry input that can be linked to any push button wall switch to dim the lights from the wall.

PRODUCT SPECIFICATIONS

⚡ Power supply	Input Voltage	110-230 VAC 50/60 Hz
	Output Power	3W / 12V
	Protection	Built in Protection fuse
	Current consumption	10-20 mA / 12 V DC
↥ Output	Number of channels	1
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	
	Lighting Incandescent Lamp	500 Watts
	LED (dimmable)	300 Watts
	CFL (dimmable)	300 Watts
TISAIR TIS AIR	WIFI Signal	2.4 GHz
	Protocol Standard	802.11 b/g/n
Operating and display elements	Digital inputs	1 dry inputs for control …
	TIS AIR	TIS Protocol messages and commands
	PRG Button with LED	Programming button and status LED.
	Upgrading	By WIFI Connection
⊞ Dimensions	(Width × Length × Height)	50mm × 35mm × 50mm
⬛ Housing	Materials	PC fire proof
	Internal Parts color	White
	IP rating	IP 50

⊗ L N

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CE RoHS COMPLIANT   PCT   ⊘   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 observe 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 2.5mm, for the Line, Neutral, and Load cables. 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.
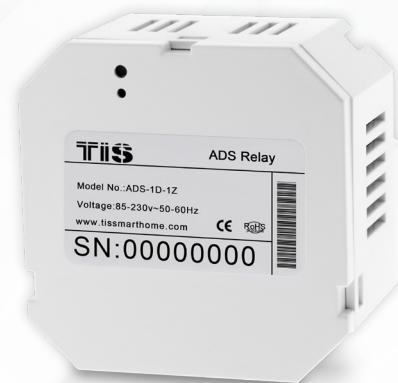
Programming

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

it fits on most junction box sizes or can be located anywhere.

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TEXAS INTELLIGENT SYSTEM LLC
SUITE# 610. 860 NORTH DOROTHY DR
RICHARDSON
TX 75081.USA

TIS CONTROL LIMITED
RM 1502-p9 Easey CommBldg
253-261 Hennessy Rd Wanchai
Hong Kong

www.tiscontrol.com

⚙ INSTALLATION STEPS

1 » Turn off the power at the main circuit breaker to turn off voltage supply to the switch.

Circuit Breaker

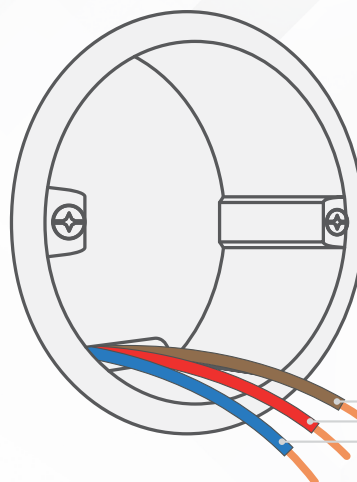OFF
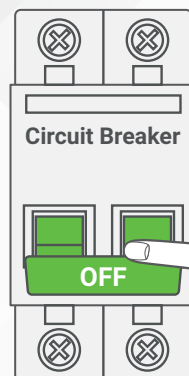
WARNING! HIGH VOLTAGE

2 » Remove the switch cover. Unscrew and pull the wall switch out. Take the wires out of the load and line.
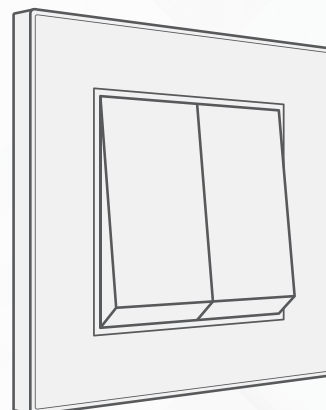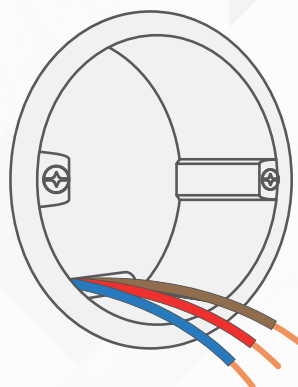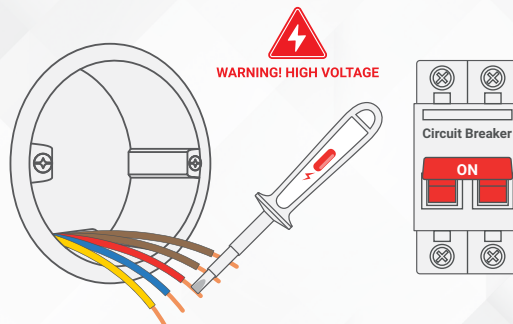
3 » Find a total of 3 wires.
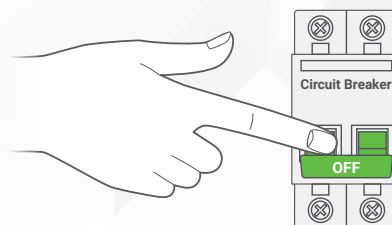
Load
Live
Neutral

3

⚙ INSTALLATION STEPS

4 ›› Turn on the power at the main power breaker, and carefully identify the live wire using a voltage tester, and find the neutral wire.
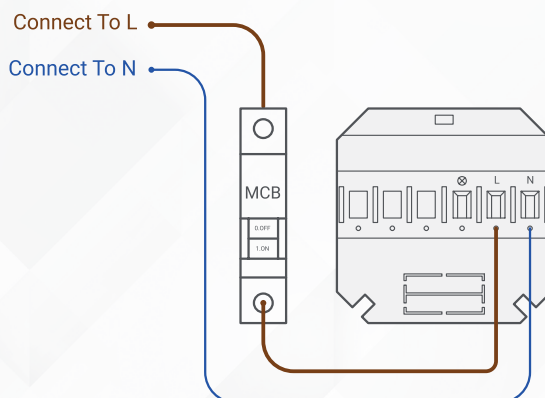
WARNING! HIGH VOLTAGE

Circuit Breaker

ON

5 › Turn off the main power breaker.

Circuit Breaker

OFF

6 ›› Attach the neutral and live wires to the N & L terminals, respectively.

Connect To L

Connect To N

MCB

0.OFF
1.ON

L   N

7 ›› Attach the load wire to the ⊗ terminal.

Connect To N

Connect To L
Connect To N

MCB

⊗   L   N

2.5 mm Electric Cable
1.5 mm Electric Cable
1.5 mm Electric Cable

4
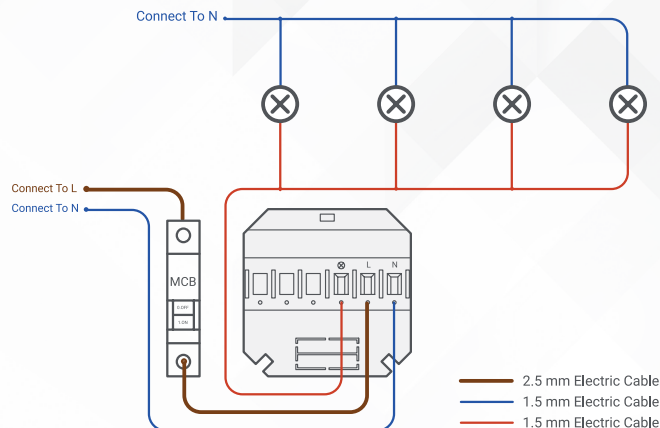
⚙ INSTALLATION STEPS

8 ⟫ Connect the 3 Dry inputs wires to the wall switch or any 3rd party sensor.

to the power supply   3rd party sensor
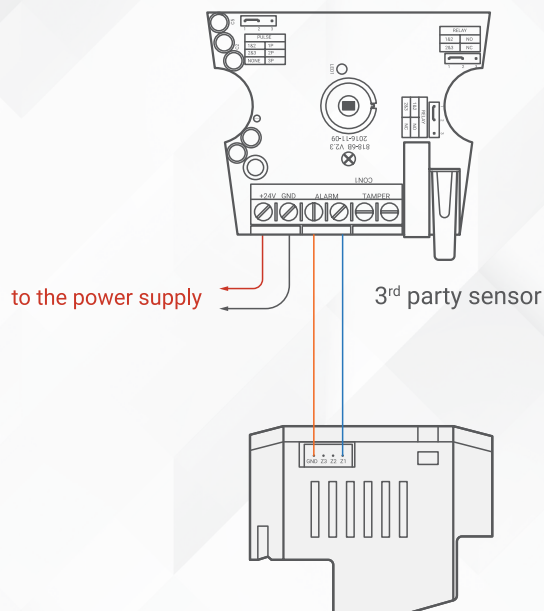
9 ⟫ Turn on the breaker. The module should turn on accordingly.

Circuit Breaker

ON

ADS Relay

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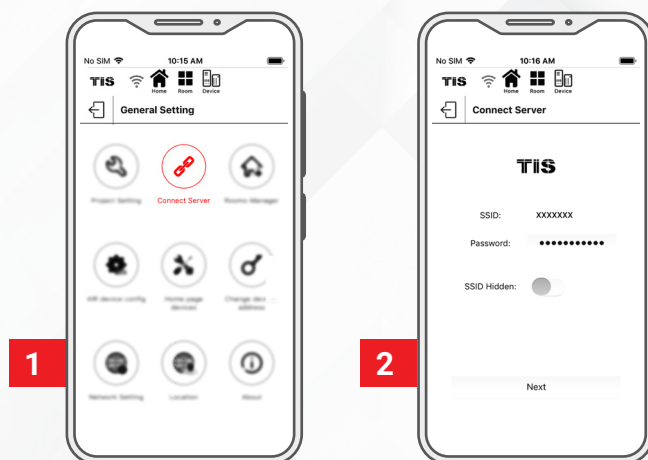SN: 1 7 6 8 0 0 9 7

www.tiscontrol.com
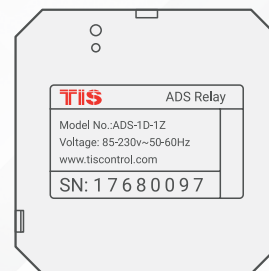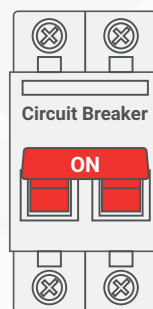
SERVER LINKING

In order for a project to be fully linked to the TIS server, server configuration must be enabled in just 1 product within that project.
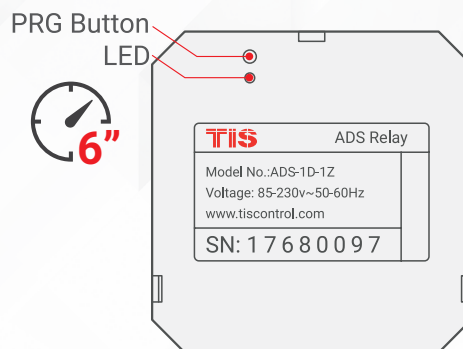
If you have already done that with any other panel, just ignore these steps and proceed to configuration steps.

To do the server linking, complete the following steps:

1 ≫ In the TIS App, go to Settings ► Connect Server, and follow the steps by entering your SSID password.
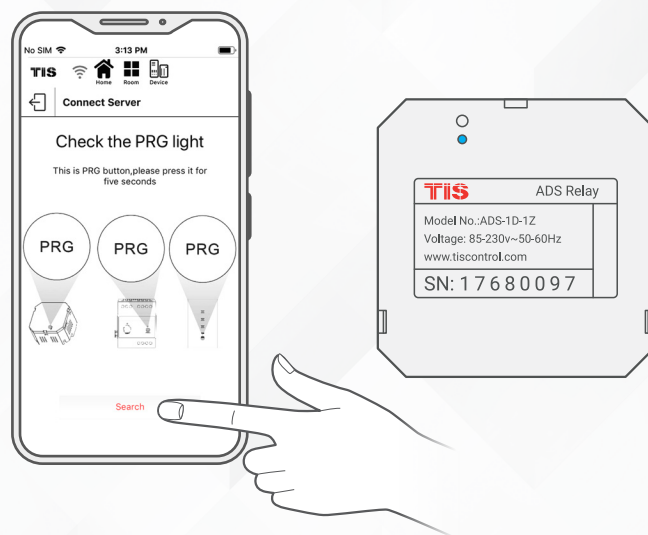
2 ≫ On the module, press and hold the PRG button for 6 seconds. The PRG LED will start blinking.

PRG Button
LED
6"
ADS Relay
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www.tiscontrol.com
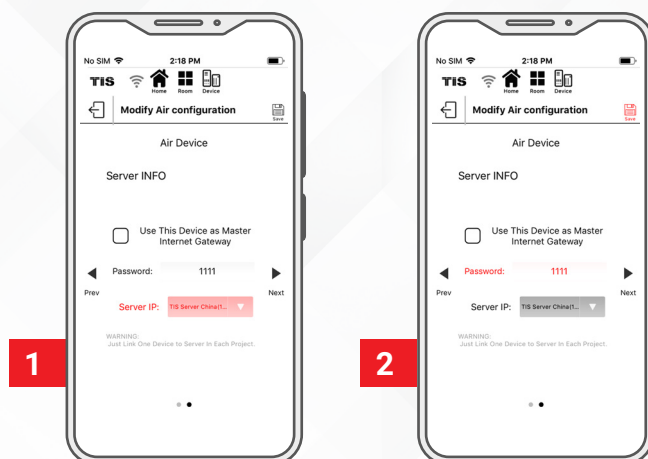SN: 1 7 6 8 0 0 9 7

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SERVER LINKING

3 ⟫ On the TIS app, press Search and wait for a few seconds. The panel will link to your Wi-Fi, and the PRG button will turn blue.
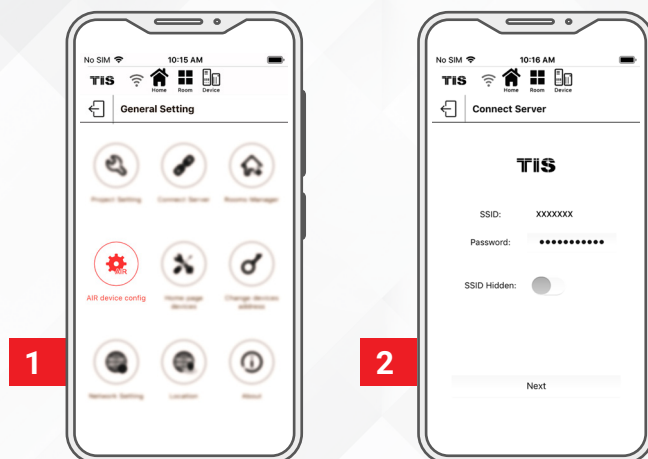
4 ⟫ Select your server option and 4-digit password. Then, press Save.
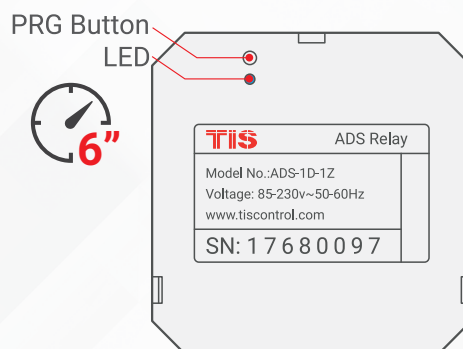
7

CONFIGURATION STEPS

1 ≫ In the TIS App, go to the Settings ▶ AIR Device Configuration, and follow the steps by entering your SSID password.

2 ≫ On the module, press and hold the PRG button for 6 seconds. The PRG LED will start blinking.

PRG Button
LED
6"

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SN: 1 7 6 8 0 0 9 7

3 ≫ On the TIS app, press Search and wait for a few seconds. The module will link to your Wi-Fi, and the PRG LED will turn blue.

Check the PRG light
This is PRG button,please press it for five seconds
PRG PRG PRG
Search

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8

CONFIGURATION STEPS

4 ⟫ Select the room; then, select channel names and icons.
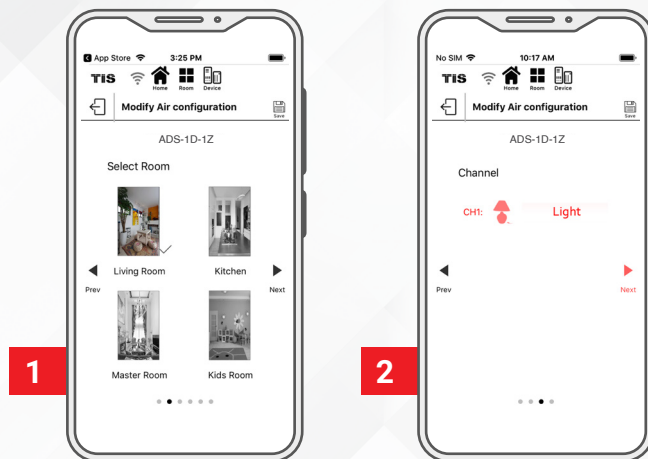
5 ⟫ Go to the configured room's page and start controlling.

9

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PAIRING (MANUAL PROGRAMMING)
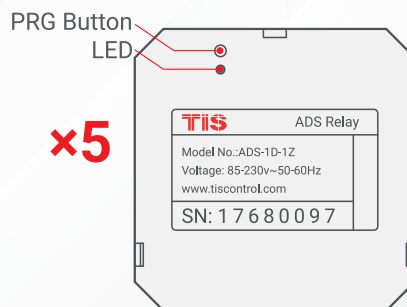
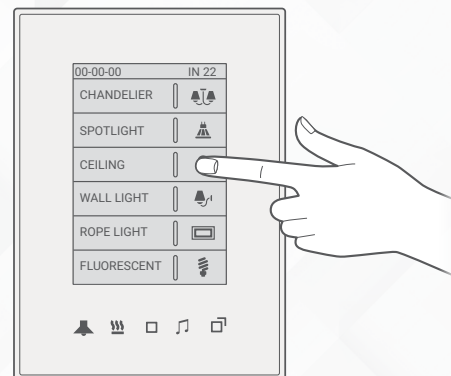To pair the TIS ADS module with any TIS wall panel buttons, do the following:

1 Short press on the PRG button five times in a row until the PRG LED starts to blink every 2 seconds.
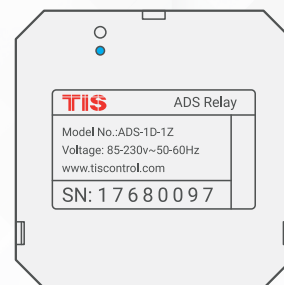
PRG Button
LED
×5

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2 Go to any other wall panel and short press on any lighting button.

00-00-00   IN 22
CHANDELIER
SPOTLIGHT
CEILING
WALL LIGHT
ROPE LIGHT
FLUORESCENT

3 Test by pressing on the wall panel's ON/OFF button. The module relay should respond by turning ON and OFF accordingly.

00-00-00   IN 22
CHANDELIER
SPOTLIGHT
CEILING
WALL LIGHT
ROPE LIGHT
FLU

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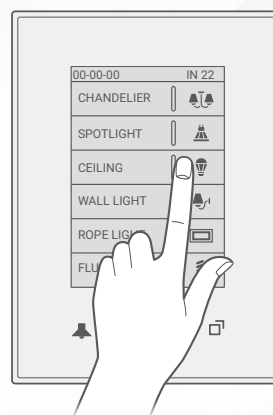
? USER OPERATION

» Use your mobile app or smart wall switches to control lights ON/OFF.

» On wall switch, Long press for dimming, short press for ON/OFF

11

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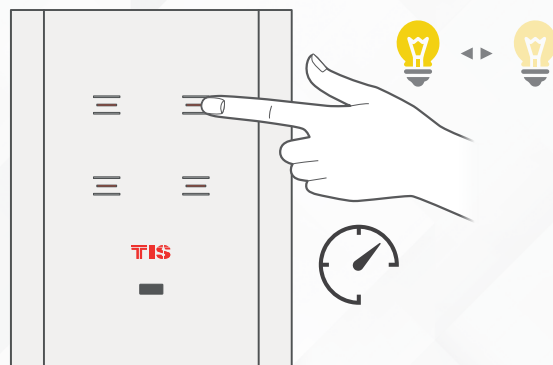
TROUBLESHOOTING

?	PRG button blinks purple color rapidly	**Reason:** The panel address conflicts with another device in the TIS network. You need to press and hold the PRG button for 6 seconds so that the module can get a new address.
?	Device's PRG LED is RED	**Reason:** The device is not connected to Wi-Fi.
?	Device can't link to Wi-Fi router	**Reason 1:** The device is too far from the WiFi router. **Reason 2:** The SSID or password is not correct. **Reason 3:** Some setting in the WIFI router is preventing new devices from being added.
?	Other wall panels can't pair with the device	**Reason 1:** Other panel connections are not linked to the same Wi-Fi network. **Reason 2:** The manual programming function is disabled in the device (default is enabled).
?	Other wall panels can't control the device channels	**Reason 1:** Other panel connections are not linked to the same Wi-Fi network. **Reason 2:** The programming address is wrong.

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