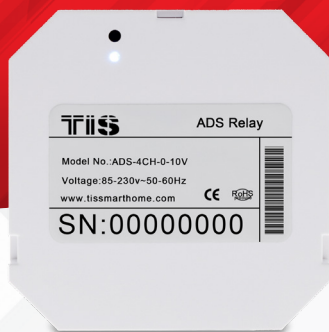


INSTALLATION MANUAL

AIR ADS RGBW CONTROLLER

WI-FI COLOR CONTROLLING MODULE

Model: ADS-4CH-0-10V

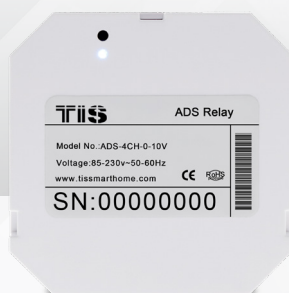


PRODUCT INFORMATION

The ADS RGBW Module is a 4-Channel, 0-10V, Wi-Fi-enabled controller that can be used to dim the 0-10V ballast driver or control the RGBW 0-10V drivers. It can connect to the Internet and be controlled remotely by the TIS app. It includes 4 dry inputs to be linked to any push button wall switch to dim the lights from the wall.

PRODUCT SPECIFICATIONS

	Input	Input Voltage	12-32 V DC
	Output	Number of channels Voltage	4 0-10V for signal dimming
	TIS AIR	WIFI Signal Protocol Standard	2.4 GHz 802.11 b/g/n
	Reaction time		approx. 30ms
	Mounting	Free locate	Can be installed anywhere
	Operating and display elements	Digital inputs TIS AIR PRG Button with LED Upgrading	4 dry inputs for control ... TIS Protocol messages and commands Programming button and status LED. By WIFI Connection
	Dimensions	(Width x Length x Height)	50mm x 35mm x 50mm
	Housing	Materials Internal Parts color IP rating	PC fire proof White IP 50



BARCODE (UPC-A)





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.



Warranty

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



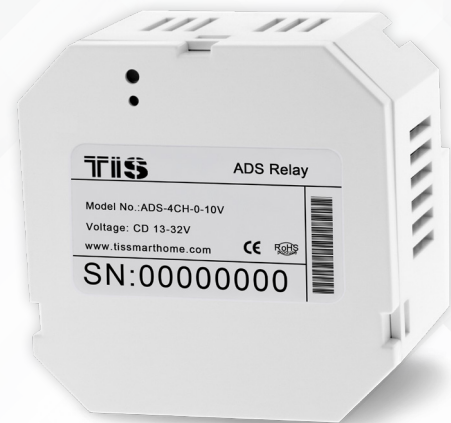
Programming

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.



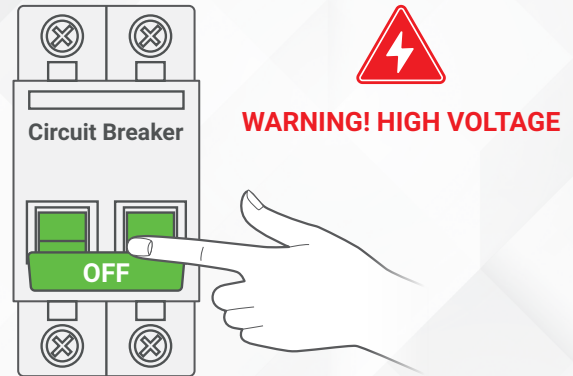
Simple Installation

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

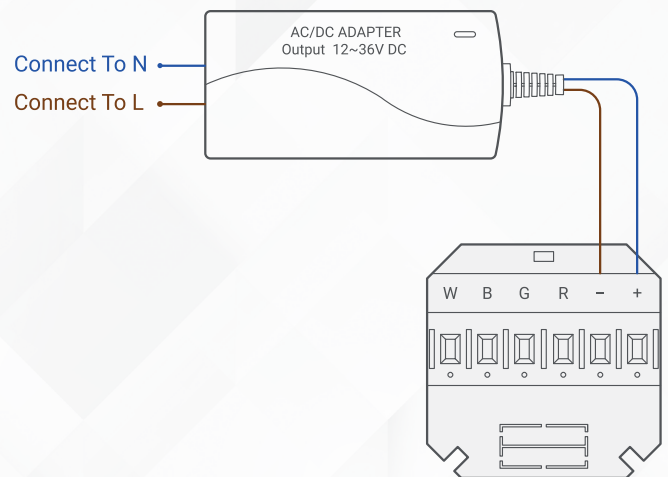


INSTALLATION STEPS

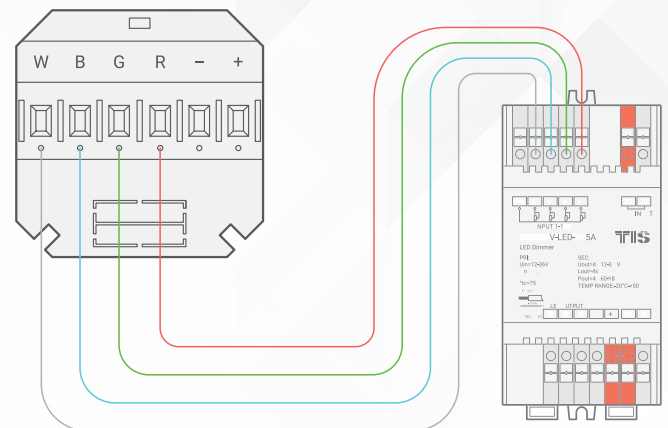
1 Turn off the power at the main circuit breaker to turn off voltage supply to the switch.



2 Attach the GND and 12-32V DC wires to the TIS module “-“ & “+” terminals, respectively.

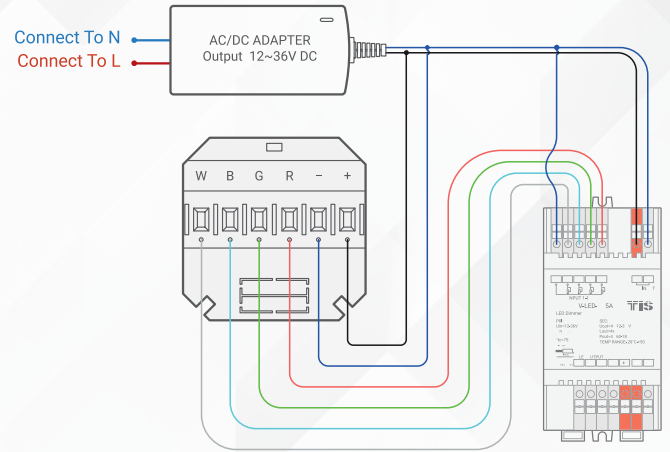


3 Connect TIS module R, G, B, W wires to the 0-10V inputs (ch1, ch2, ch3, ch4) of any 0-10V driver terminals, respectively.

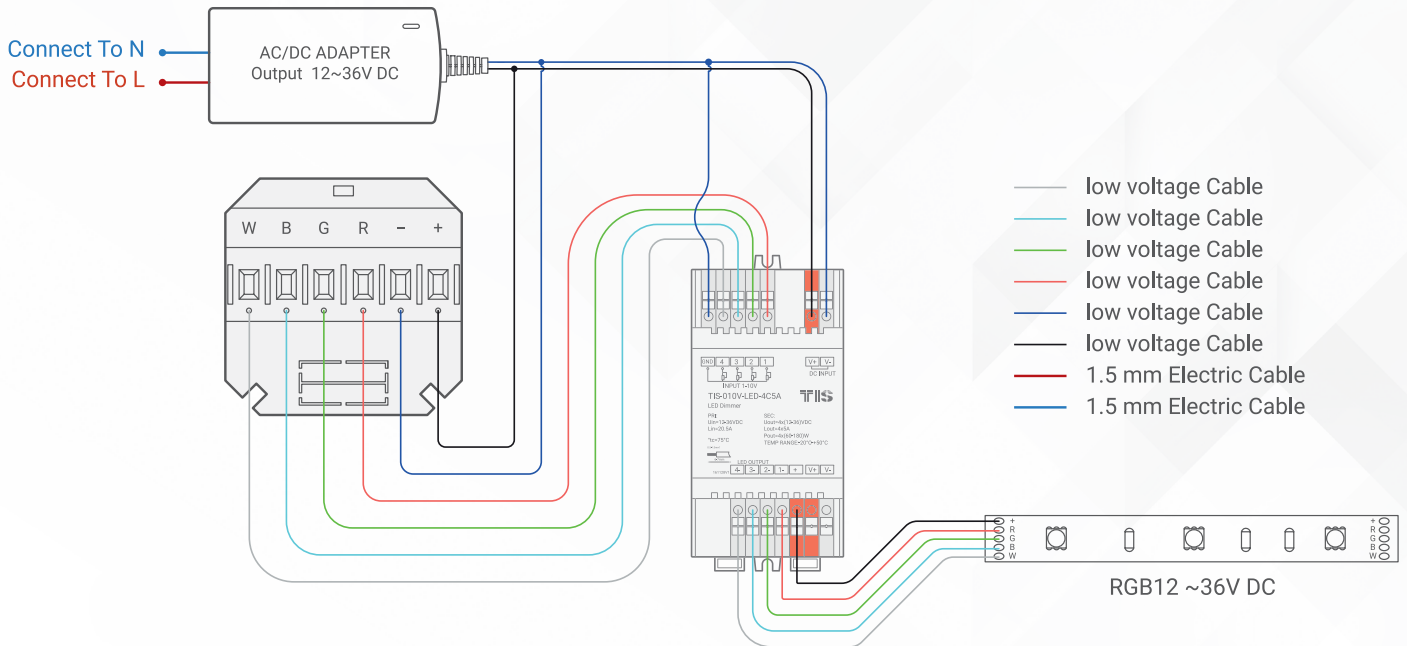


INSTALLATION STEPS

4 Connect TIS module “-“ wire terminals to the GND “0” input of the 0-10V driver terminals.

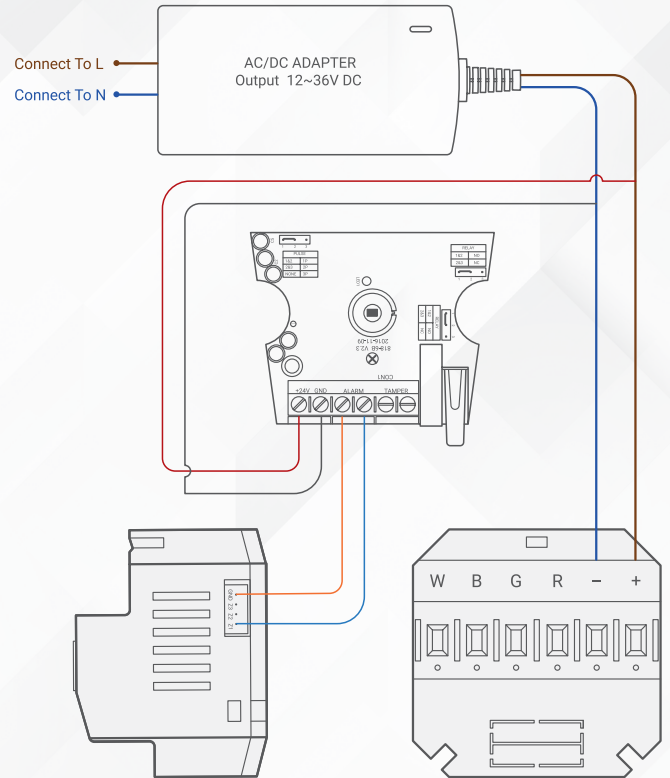


5 Connect the LED lights wires to the 0-10V driver.

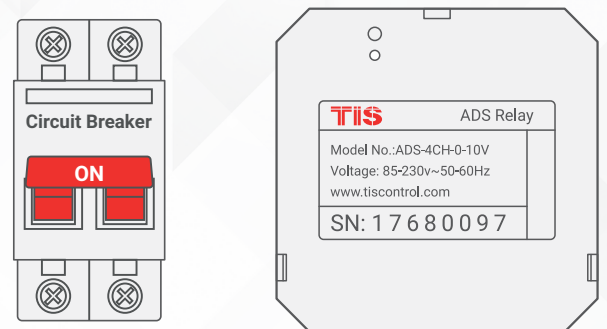


INSTALLATION STEPS

6 Connect the 4 Dry inputs wires to the wall switch or any 3rd party sensor.



7 Turn on the breaker. The module should turn on accordingly.



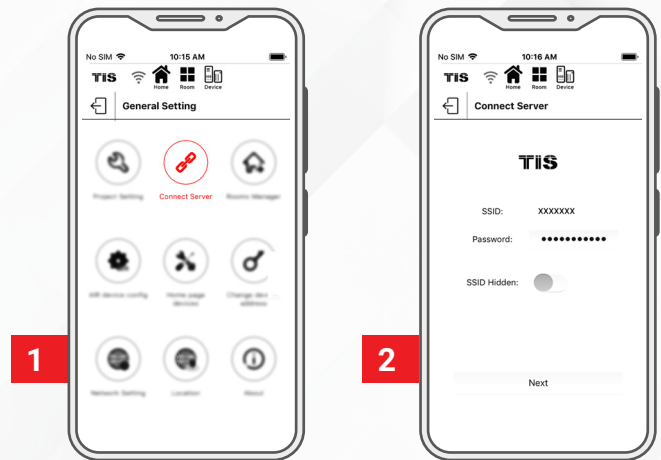
SERVER LINKING

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.

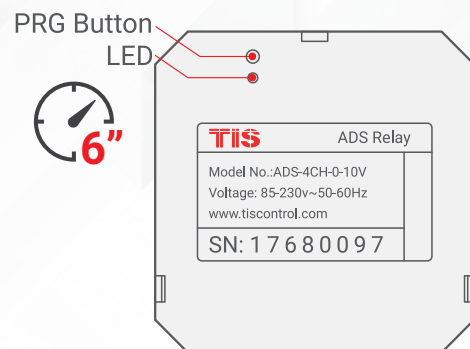
If you have already done that with any other panel, just ignore these steps and proceed to configuration steps.

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.

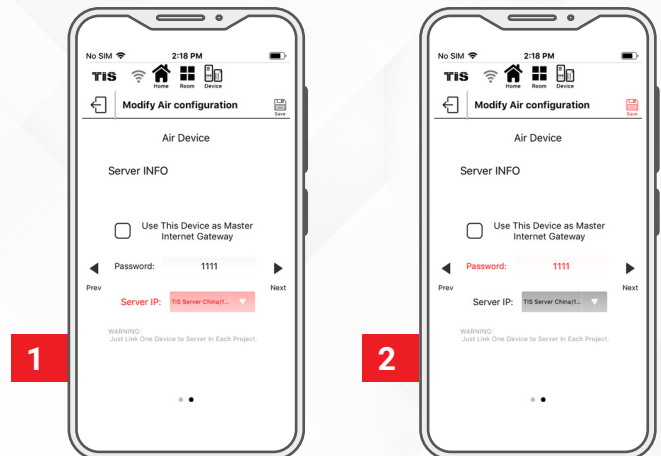


SERVER LINKING

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.

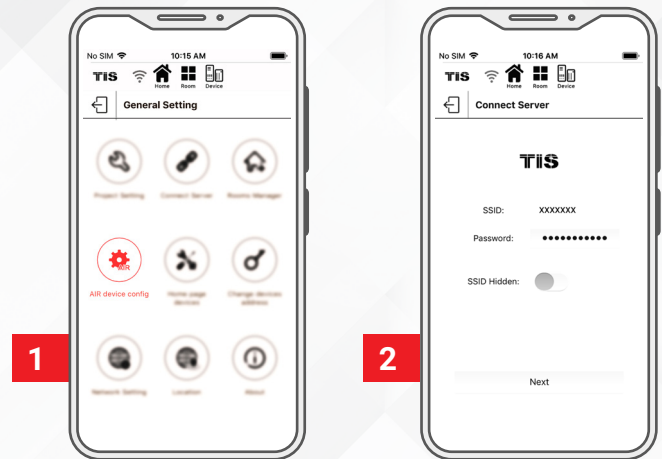


4 Select your server option and 4-digit password. Then, press Save.

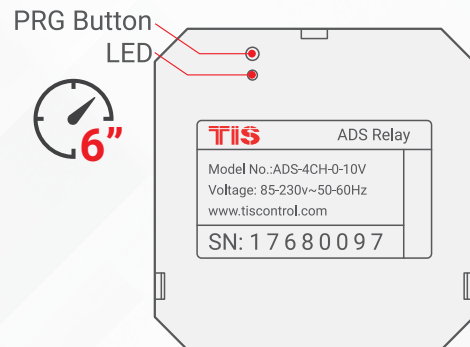


CONFIGURATION STEPS

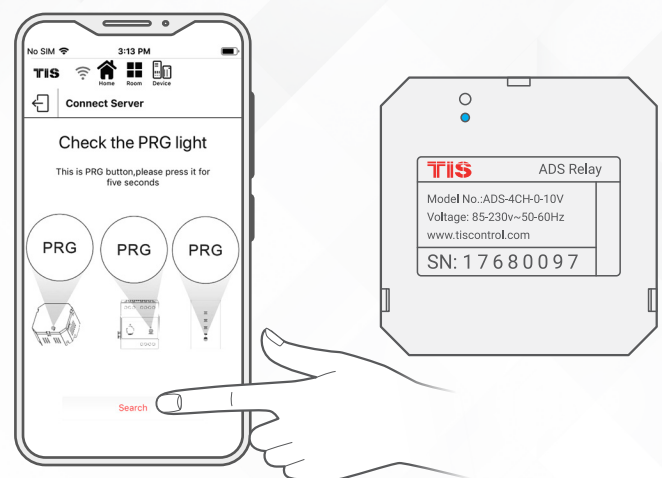
1 In the TIS App, go to the Settings ► AIR Device Configuration, and follow the steps by entering your SSID password.



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

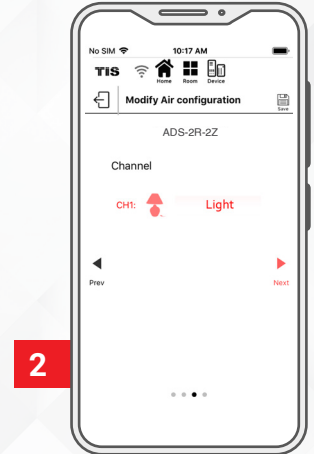
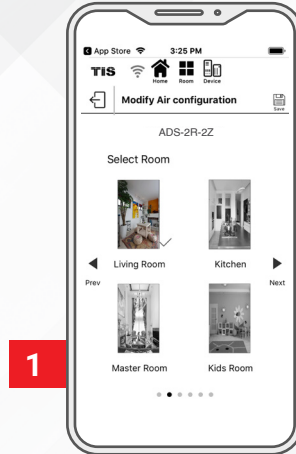


3 On the TIS app, press Search and wait for a few seconds. The module will link to your Wi-Fi, and the PRG LED will turn blue.

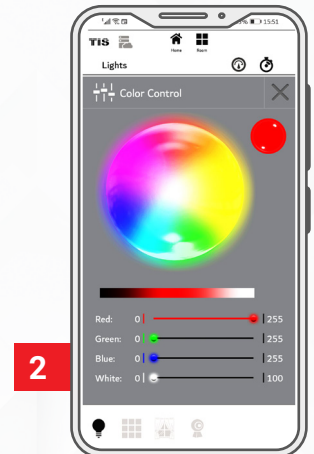
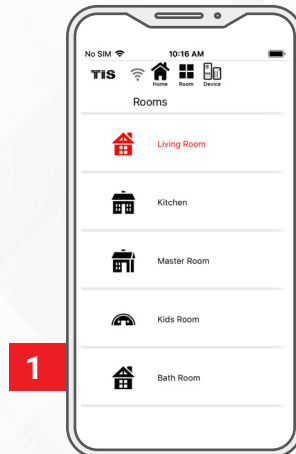


CONFIGURATION STEPS

4 » Select the room; then, select channel names and icons.



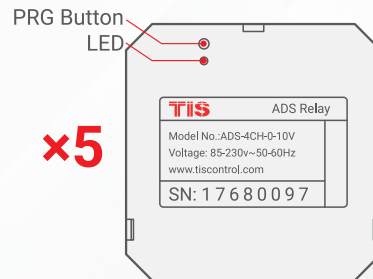
5 » Go to the configured room's page and start controlling.



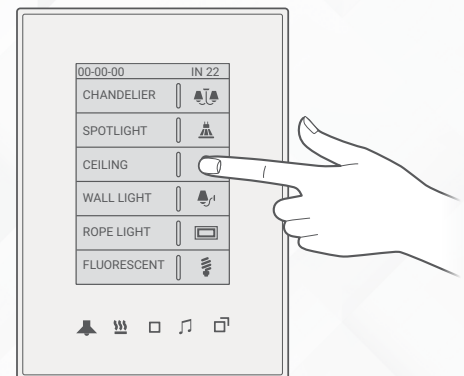
PAIRING (MANUAL PROGRAMMING)

To pair the TIS ADS module with any TIS wall panel buttons, do the following:

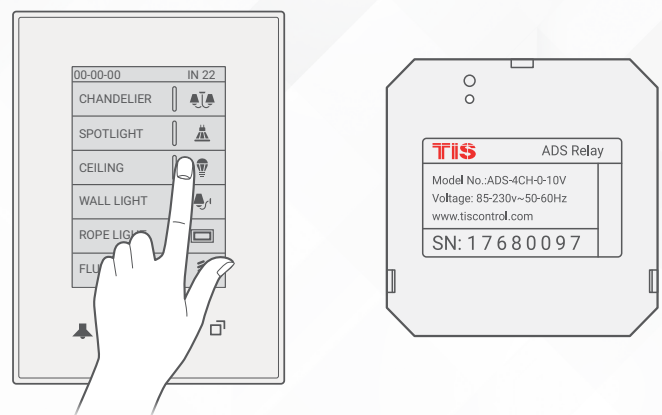
1 Short press on the PRG button five times in a row until the PRG LED starts to blink every 2 seconds.



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



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



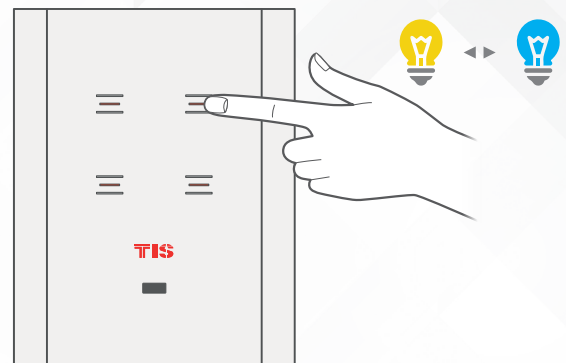
PAIRING (MANUAL PROGRAMMING)

4 The same procedure must be followed to program other channels. The only exception is that you must press the PRG button six, seven, and eight times for channels 2, 3, and 4 accordingly. The following table displays method info in detail.

METHOD	RESPONSE
Channel 1: 5 Short presses on the PRG button	PRG LED blinks once every 2 seconds
Channel 2: 6 Short presses on the PRG button	PRG LED blinks twice every 2 seconds
Channel 3: 7 Short presses on the PRG button	PRG LED blinks three times every 2 seconds
Channel 4: 8 Short presses on the PRG button	PRG LED blinks four times every 2 seconds

USER OPERATION

» Use your mobile app or smart wall switches to control lights color.





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.

INSTALLATION MANUAL

TIS AIR ADS DIMMER

DIMMER MODULE WITH WI-FI COMPATIBILITY






Model: ADS-1D-1Z

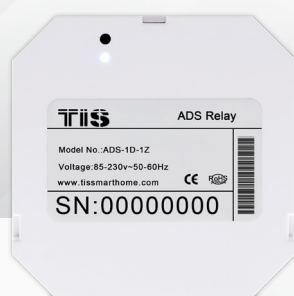


i PRODUCT INFORMATION

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 (dimnable)	300 Watts
CFL (dimnable)	300 Watts	
 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



BARCODE (UPC-A)





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.



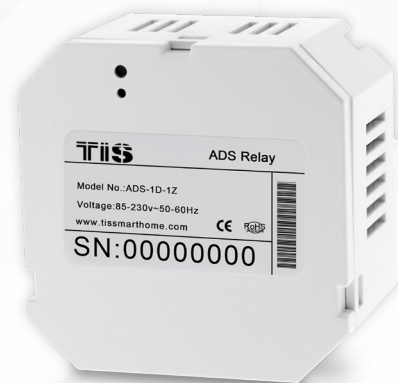
Programming

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.



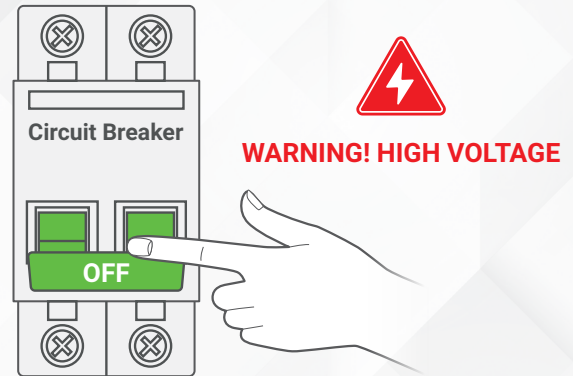
Simple Installation

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

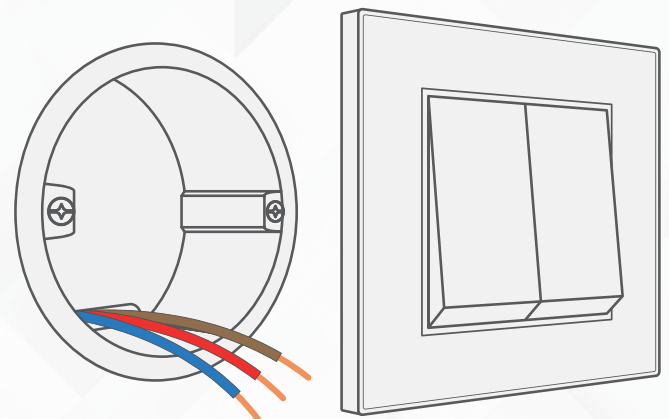


INSTALLATION STEPS

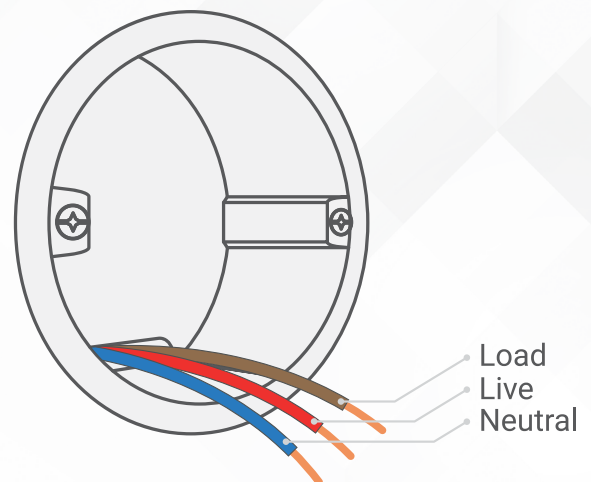
1 » Turn off the power at the main circuit breaker to turn off voltage supply to the switch.



2 » Remove the switch cover. Unscrew and pull the wall switch out. Take the wires out of the load and line.

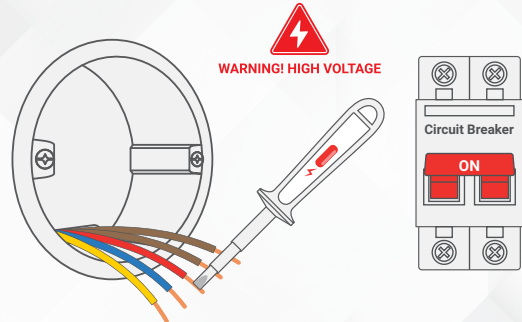


3 » Find a total of 3 wires.

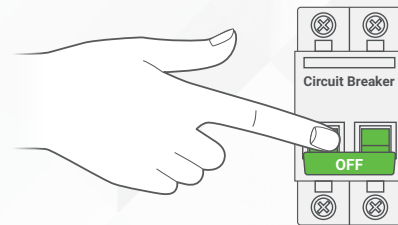


INSTALLATION STEPS

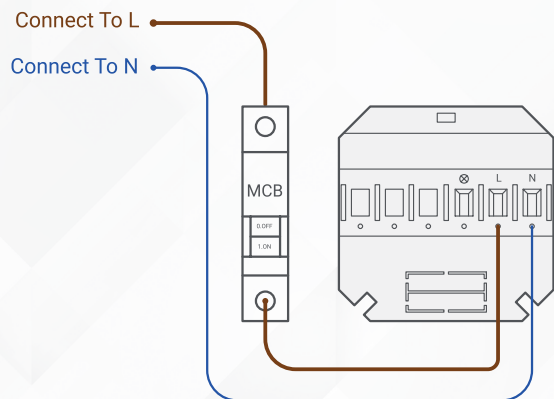
4 Turn on the power at the main power breaker, and carefully identify the live wire using a voltage tester, and find the neutral wire.



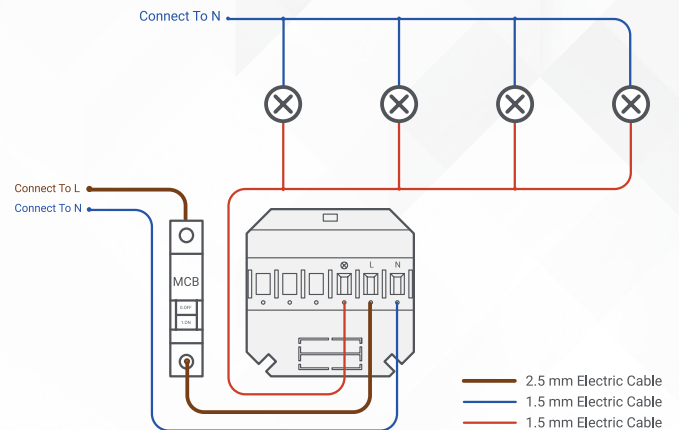
5 Turn off the main power breaker.



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

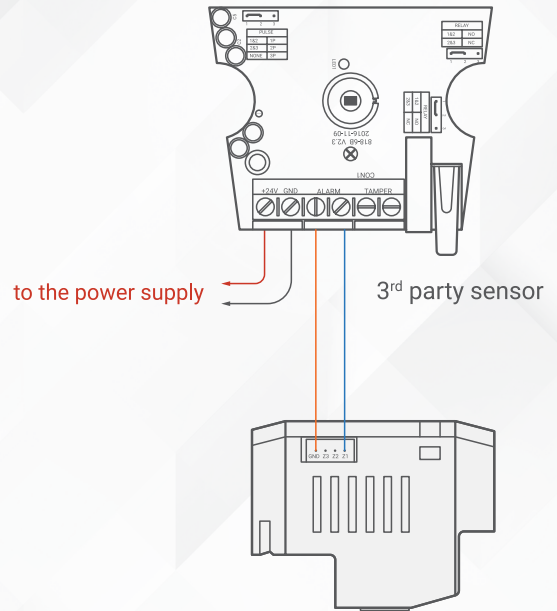


7 Attach the load wire to the \otimes terminal.

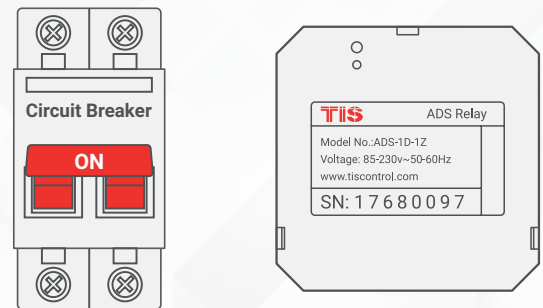


INSTALLATION STEPS

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



9 Turn on the breaker. The module should turn on accordingly.



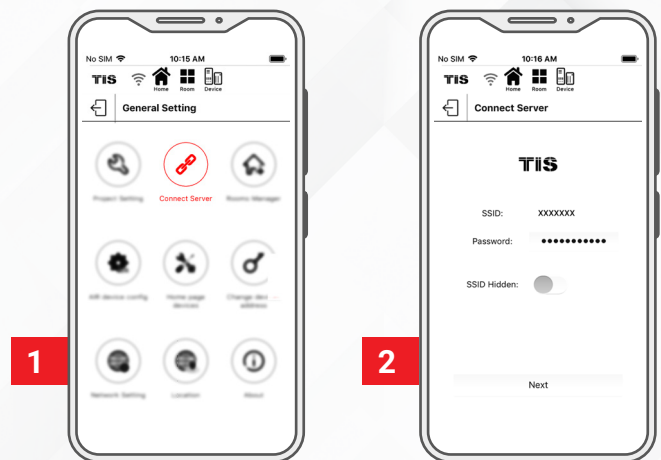
SERVER LINKING

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.

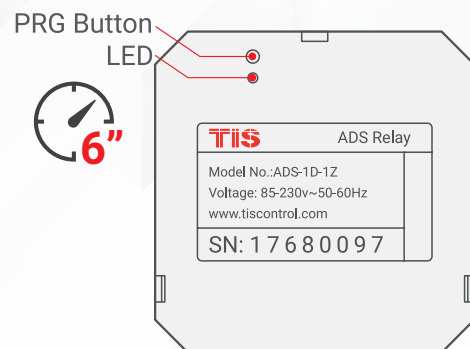
If you have already done that with any other panel, just ignore these steps and proceed to configuration steps.

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.

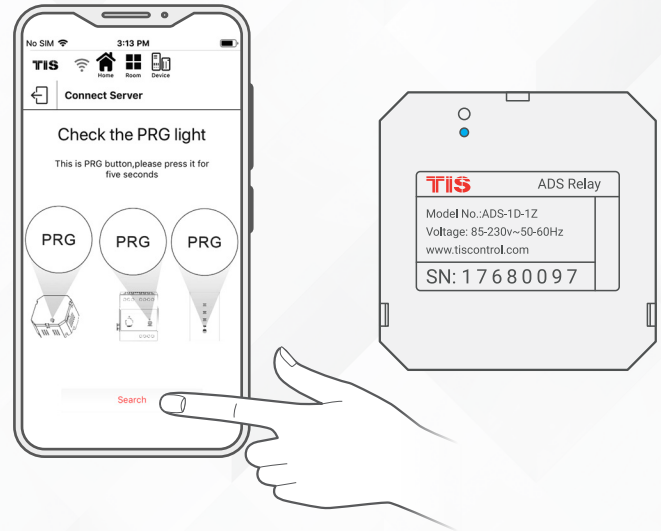


2 On the module, press and hold the PRG button for 6 seconds. The PRG LED will start blinking.

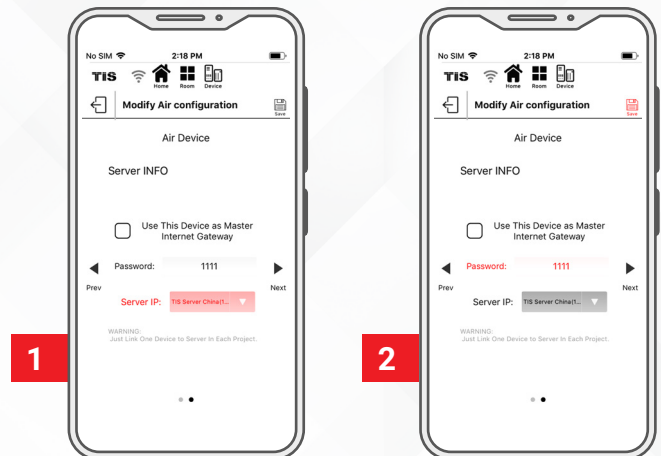


SERVER LINKING

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.

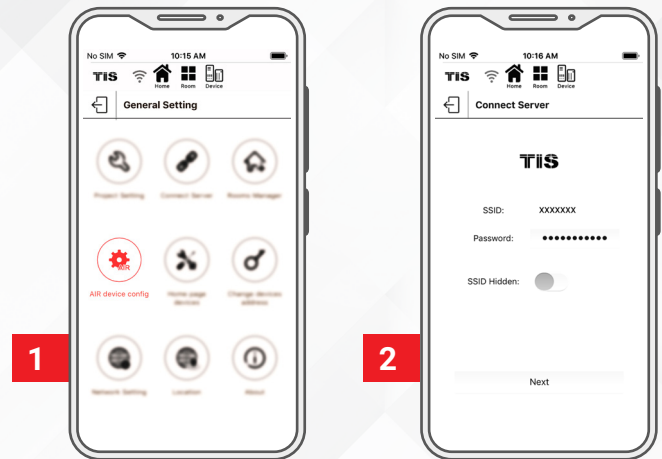


4 Select your server option and 4-digit password. Then, press Save.

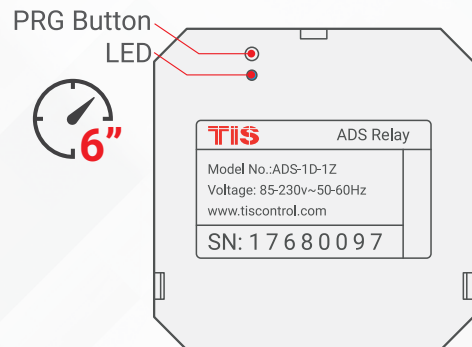


CONFIGURATION STEPS

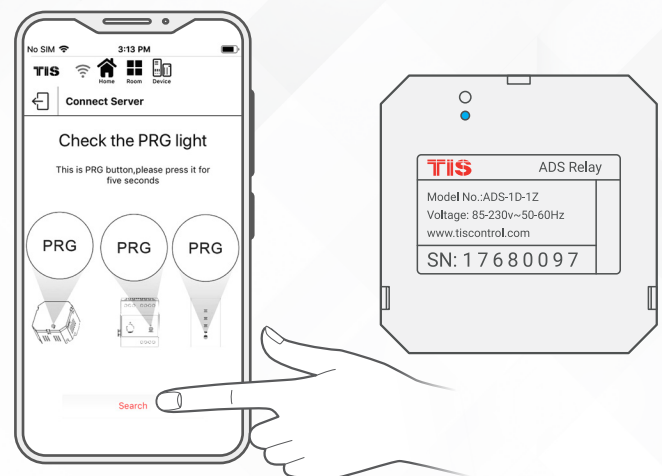
1 In the TIS App, go to the Settings ► AIR Device Configuration, and follow the steps by entering your SSID password.



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

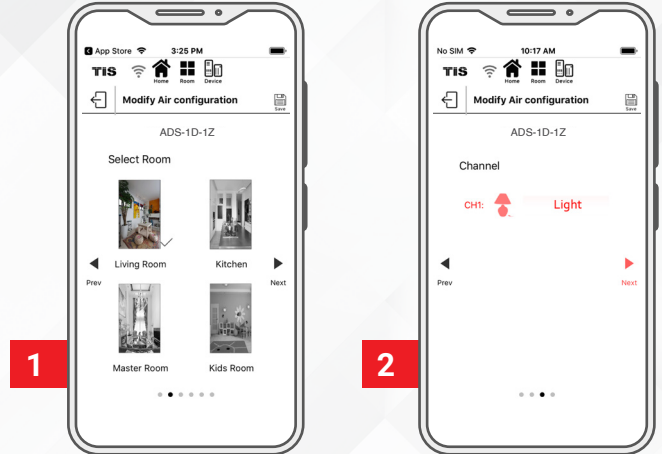


3 On the TIS app, press Search and wait for a few seconds. The module will link to your Wi-Fi, and the PRG LED will turn blue.

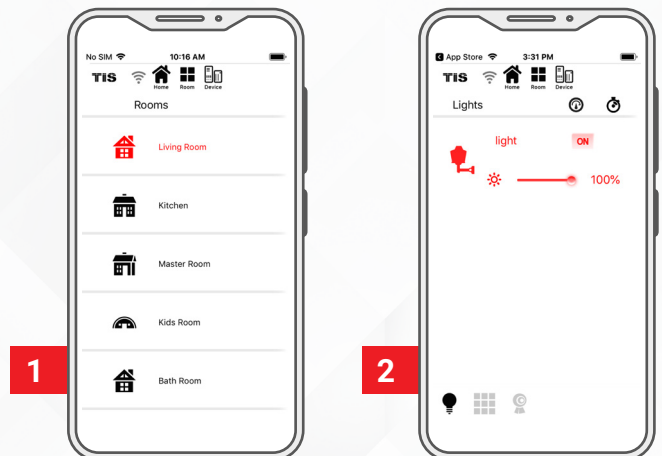


CONFIGURATION STEPS

4 » Select the room; then, select channel names and icons.



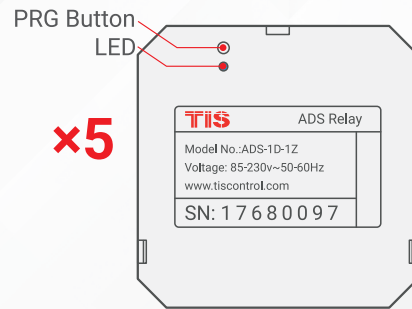
5 » Go to the configured room's page and start controlling.



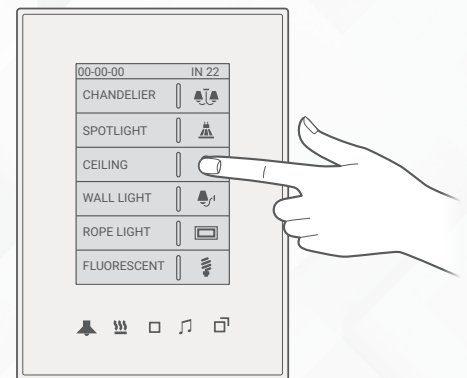
PAIRING (MANUAL PROGRAMMING)

To pair the TIS ADS module with any TIS wall panel buttons, do the following:

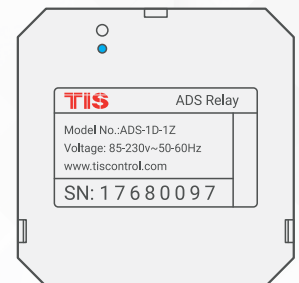
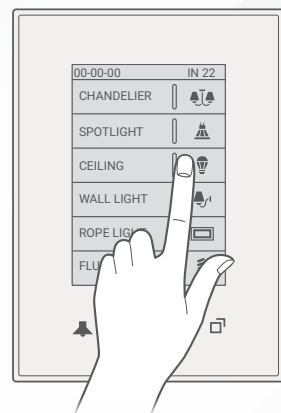
1 » Short press on the PRG button five times in a row until the PRG LED starts to blink every 2 seconds.



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



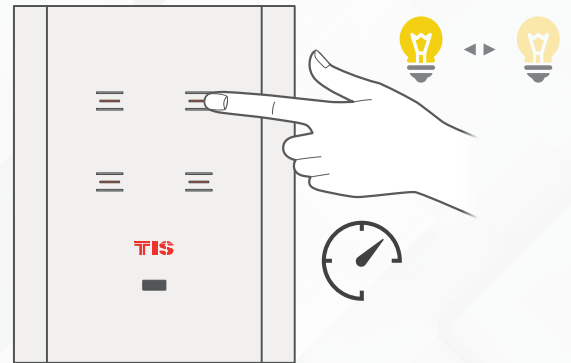
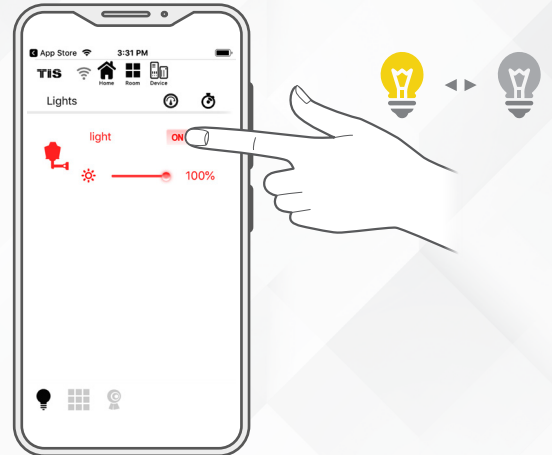
3 » Test by pressing on the wall panel's ON/OFF button. The module relay should respond by turning ON and OFF accordingly.



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





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.

INSTALLATION MANUAL

TIS AIR ADS 2-3 RELAYS

RELAY MODULE WITH WI-FI COMPATIBILITY

Model: ADS-2R-2Z, ADS-3R-3Z

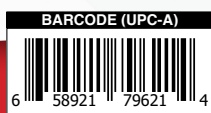


PRODUCT INFORMATION

The ADS Relay is a Wi-Fi module with 2-3 relays. It can be used to control lights and shutters and can connect to the Internet for remote control via the TIS app. It includes 2-3 dry inputs that can be linked to any mechanical wall switch or 3rd-party sensor.

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 relays	2 - 3 (refer to Model number)
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
↓ Output switching current	Max switching current	10A/230 VAC Resistive 6A/230 VAC florescent
	Max Continues current	8A/230 VAC
	Max. switching Voltage	277VAC / 30VDC
↓ Output service life	Mechanical Endurance	> 10,000,000 OPS
↓ Output switching times	Operating time	8 mS (at nomi. Volt)
	Releasing time	5 mS (at nomi. Volt)
	Max. operating frequency	25 cycle/min
TIS AIR	Number of devices on 1 line	Max. 64
	Bus voltage	12-32 V DC
	Current consumption	<60 mA / 24 V DC
🕒 Reaction time		approx. 30ms
🔧 Mounting	Free locate	Can be installed anywhere
📡 Operating and display elements	Digital inputs	2 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





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.



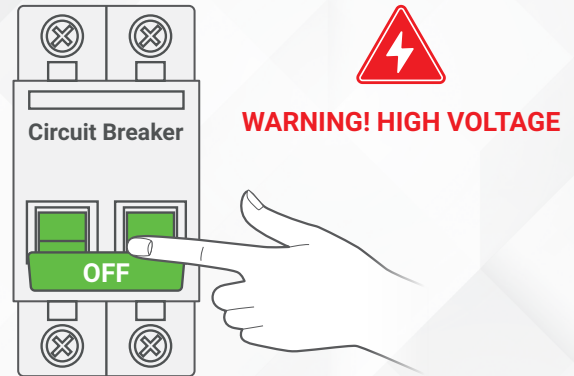
Simple Installation

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

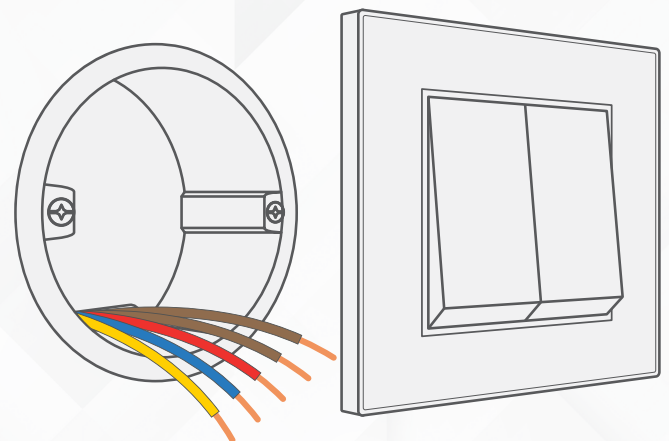


INSTALLATION STEPS

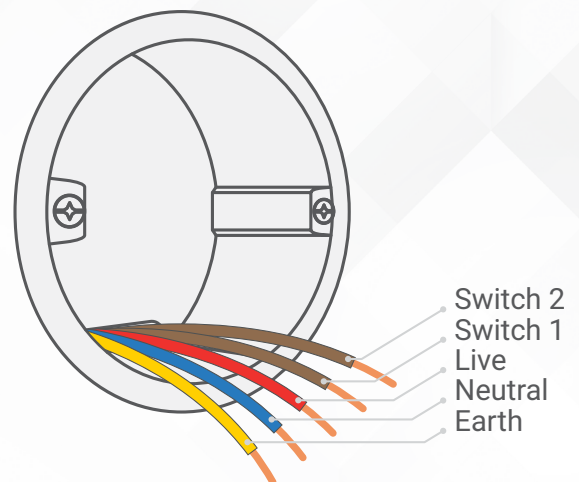
1 Turn off the power at the main circuit breaker to turn off voltage supply to the switch.



2 Remove the switch cover. Unscrew and pull the wall switch out. Take the wires out of the load and line.

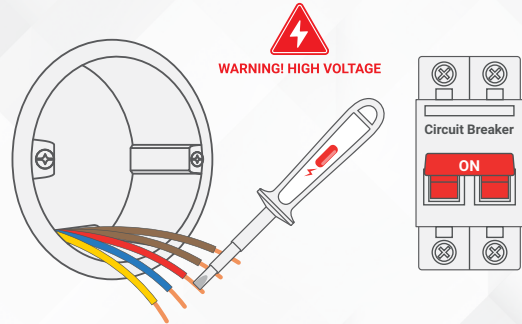


3 Find a total of 3-5 wires (3 wires if 1 channel, 4 wires if 2 channels, 5 wires if 3 channels).

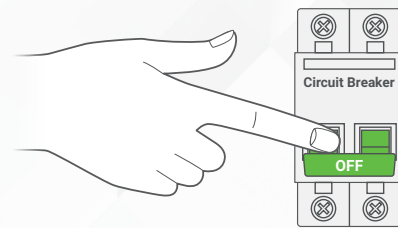


INSTALLATION STEPS

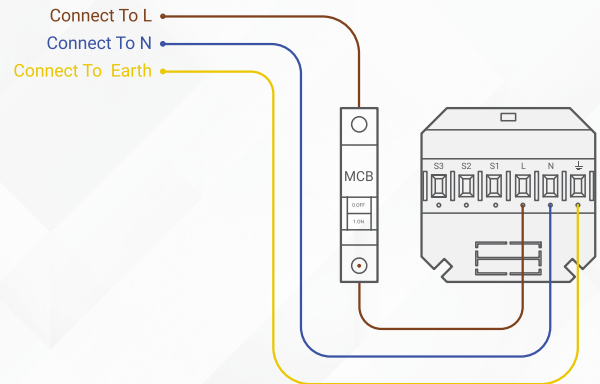
4 Turn on the power at the main power breaker, and carefully identify the live wire using a voltage tester, and find the neutral wire.



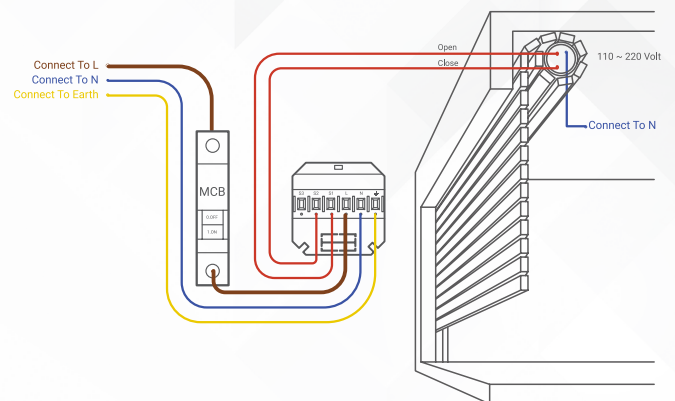
5 Turn off the main power breaker.



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

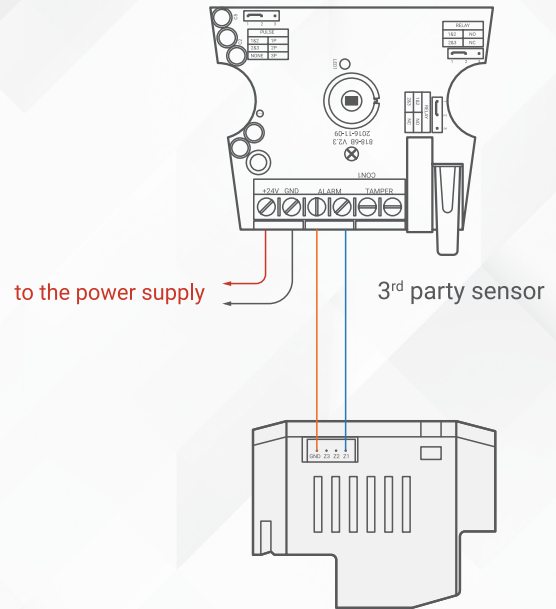


7 Attach the switch1, 2, & 3 wires to the S1, S2, & S3 terminals, respectively.

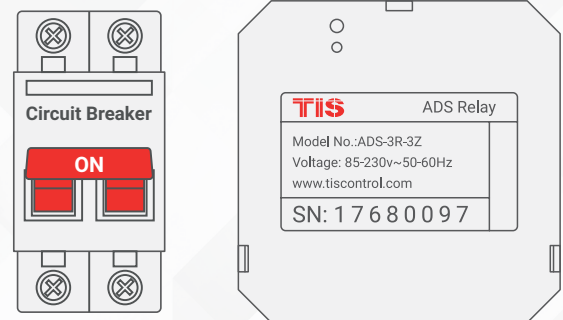


INSTALLATION STEPS

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



9 Turn on the breaker. The module should turn on accordingly.



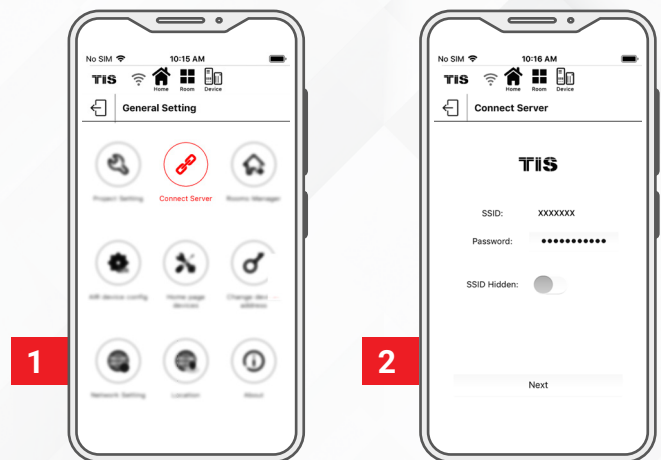
SERVER LINKING

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.

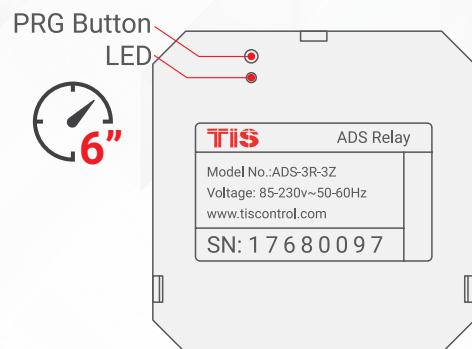
If you have already done that with any other panel, just ignore these steps and proceed to configuration steps.

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.

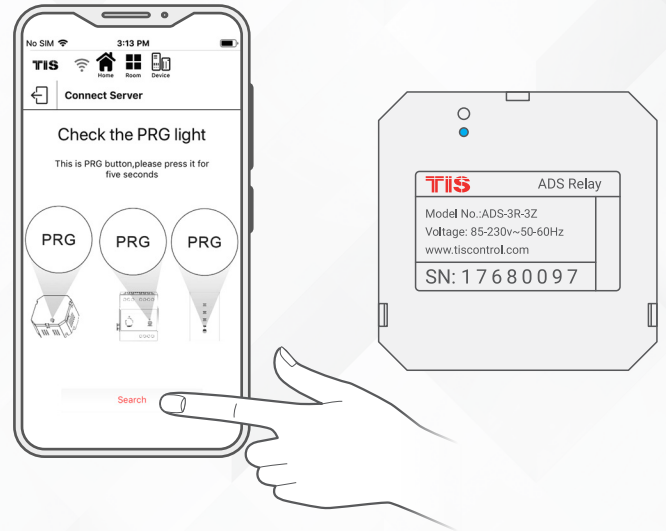


2 On the module, press and hold the PRG button for 6 seconds. The PRG LED will start blinking.

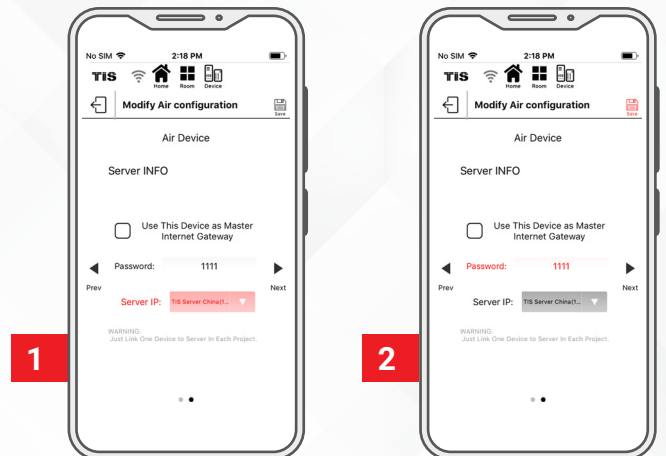


SERVER LINKING

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.

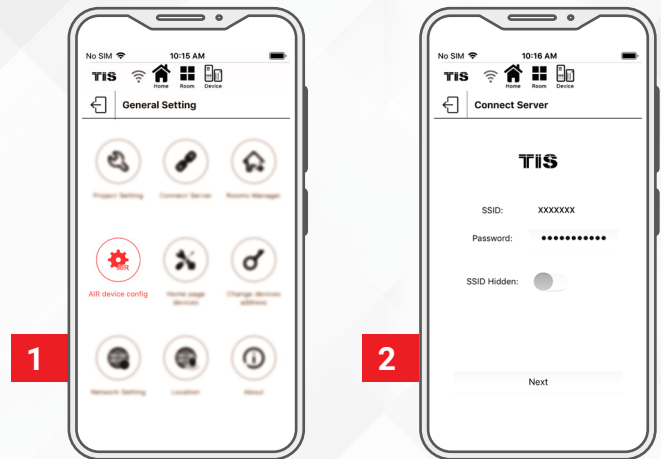


4 Select your server option and 4-digit password. Then, press Save.

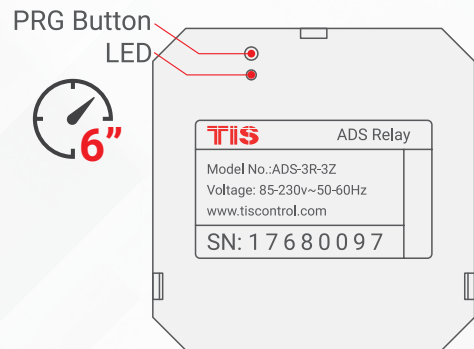


CONFIGURATION STEPS

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.

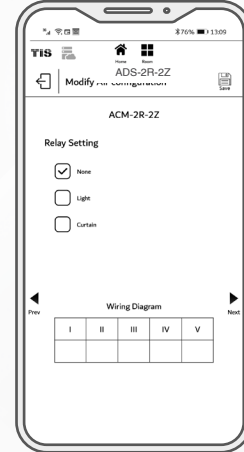


3 On the TIS app, press Search and wait for a few seconds. The module will link to your Wi-Fi, and the PRG LED will turn blue.

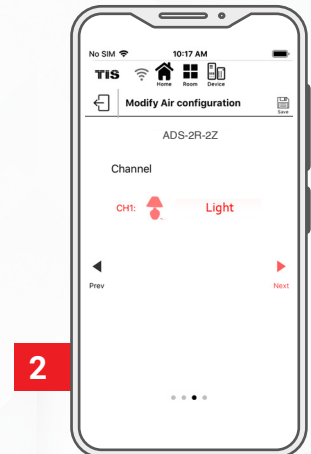
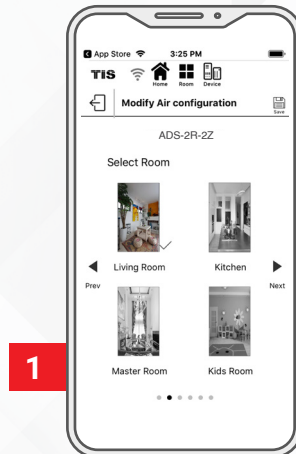


CONFIGURATION STEPS

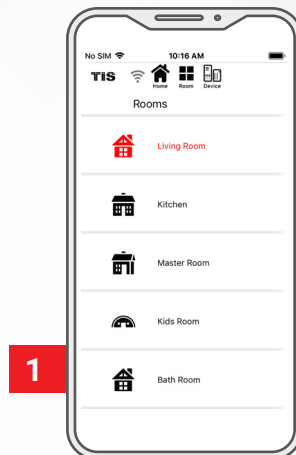
4 » Select the Relay type (Lights, Curtain).



5 » Select the room; then, select channel names and icons.



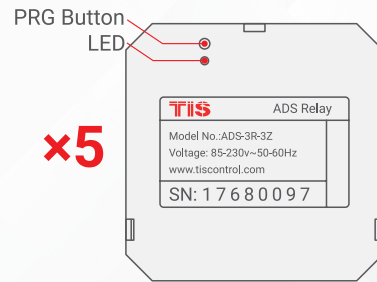
6 » Go to the configured room's page and start controlling.



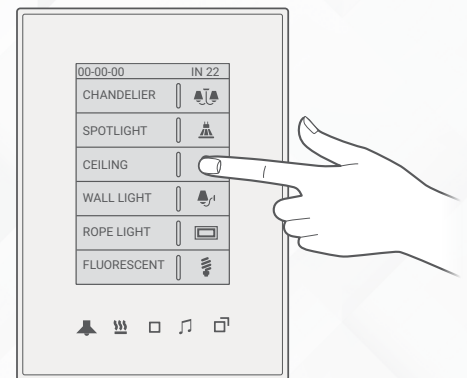
PAIRING (MANUAL PROGRAMMING)

To pair the TIS ADS module with any TIS wall panel buttons, do the following:

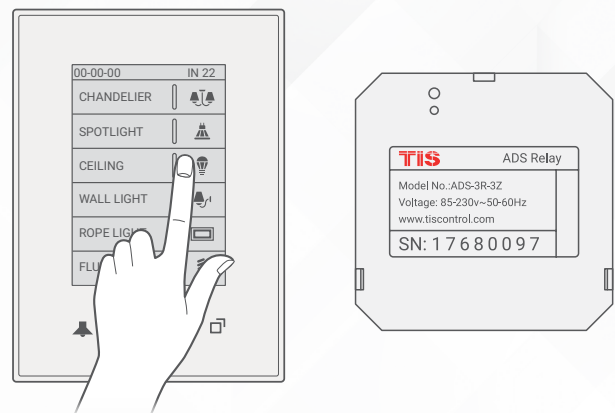
1 » Short press on the PRG button five times in a row until the PRG LED starts to blink every 2 seconds.



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



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



PAIRING (MANUAL PROGRAMMING)

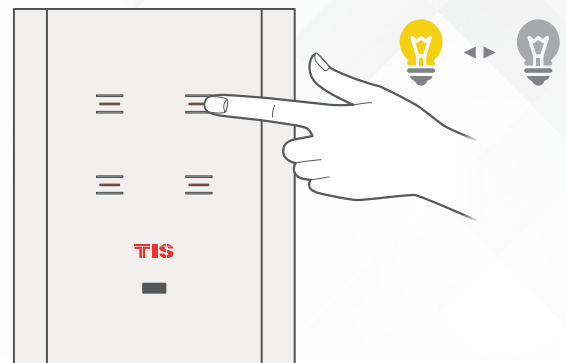
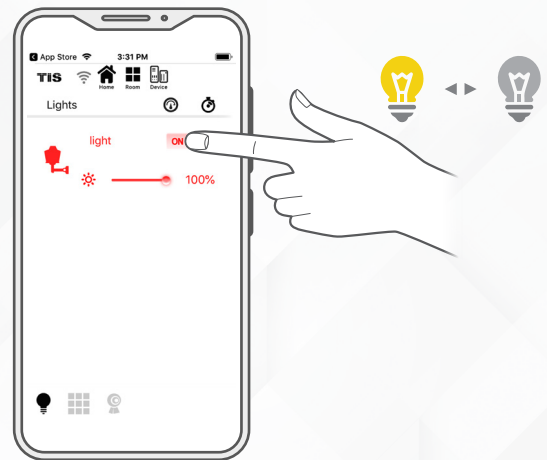
4 >> The same procedure must be followed to program other relay channels. The only exception is that you must press the PRG button six and seven times for channels 2 and 3 accordingly. The following table displays method info in detail.

METHOD	RESPONSE
Channel 1: 5 Short presses on the PRG button	PRG LED blinks once every 2 seconds
Channel 2: 6 Short presses on the PRG button	PRG LED blinks twice every 2 seconds
Channel 3: 7 Short presses on the PRG button	PRG LED blinks three times every 2 seconds

USER OPERATION

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

Notice: Wall switches need to be configured with this module's dry inputs beforehand.





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.