

Wiser 4 Channel Automation Relay

IH14000100

Device User Guide

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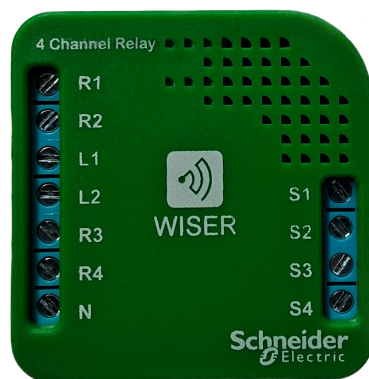
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Wiser 4 Channel Automation Relay



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Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in death or serious injury**.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in minor or moderate injury**.

NOTICE

NOTICE is used to address practices not related to physical injury.

About the device

Wiser 4 channel automation relay is a miniature micro module (hereinafter referred to as **Puck**), which is remotely controlled and designed to operate in AC mains. In AC mains, it operates with common neutral lead. Four relay switches enable ON/OFF control of regular loads. It also has the capability of mixing its internal relays to support high wattage load like air conditioners and geysers. The relay switch also operates as a repeater within the Z-Wave network to which it is associated, and uses the latest Z-Wave plus chips.

Installing the device

Refer to the installation instruction supplied with this product.
See [Wiser India 4 Channel Relay](#)

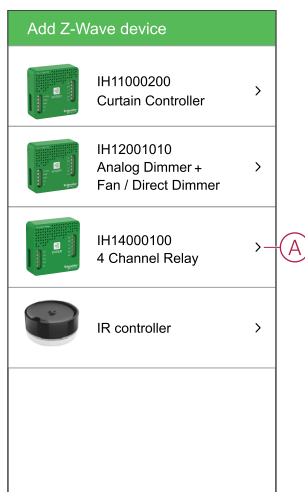
Pairing the device

Using the Wiser India app, pair your puck with the **Gateway Hub** to access and control the puck.

To pair the puck:

1. On the Home page, tap  **Device**.

2. Tap **Add > Schneider Electric > 4 Channel Relay (A)**.



The next screen shows the joining process of **Puck**.

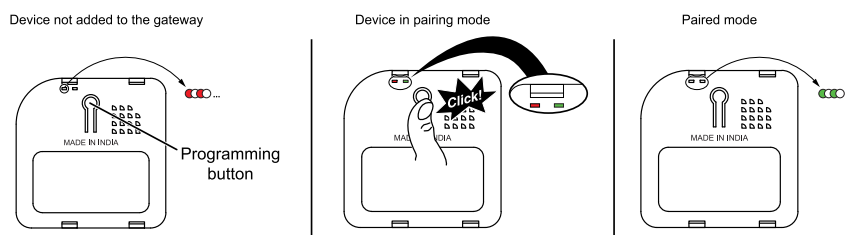
NOTE:

- The puck blinks red to show the device is not added to the gateway.
- For more information, refer to the pairing video [How to pair the micro module](#).

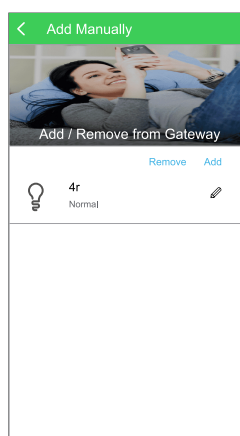
The gateway generates a "beep" sound.

3. Trigger the device by pressing on the **Programming button** on the back of the device and make sure the LED blinks green.

NOTE: If the puck device blinks Red LED then it means that the device is not added to any gateway.



4. Wait for a few seconds until the LED turns green. You can also see in the app that the device is joined.





5. Tap **Next** to enter the name of the device and assign the device to a new room or an existing room.

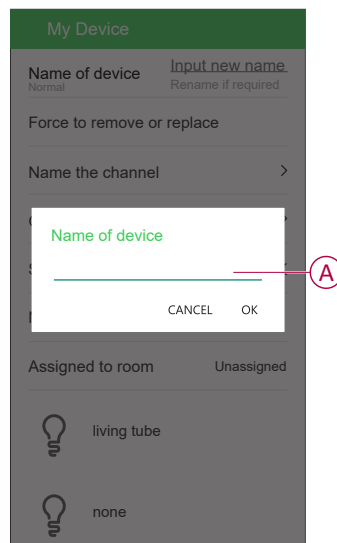
The **Puck** is now listed under **Device** page.

Configuring the device

Renaming the device


Rename the device using the Wiser India app.

1. On the Home page, tap  (A).
2. Select the device which you want to rename.
3. Tap edit  next to the device name.
4. Select the **Input new name** to rename the device.
5. Tap **Name**, and enter the name and click **OK**.

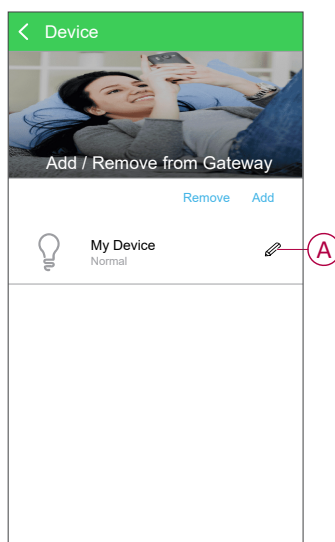


Changing the device location

Using the Wiser India app, add the puck to any room (such as living room, bedroom, kitchen etc).

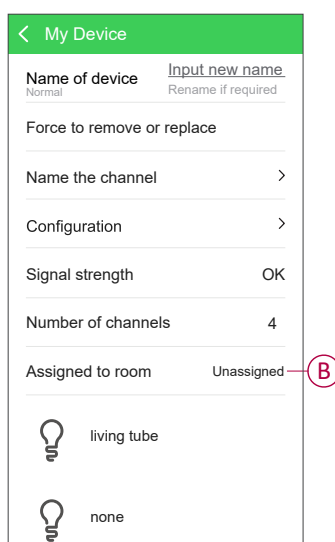
1. On the Home page, tap .
2. On the device page, select the device for which you wish to assign a different location..

3. My Device (A).



4. Select the **Assigned to room** to assign the puck to an existing room or a new room (B)

NOTE: **My Device** is the name given to the device by the user. Any name can be assigned by editing in the device option.

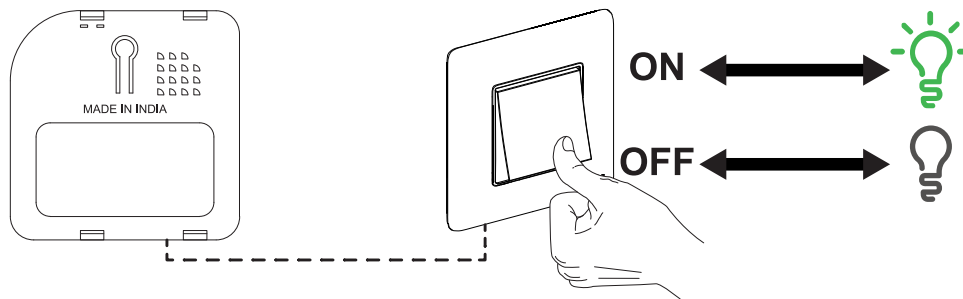


Using the device

Manual operation

When the puck is connected to a switch, the connected devices can be controlled manually by short pressing the switch to turn ON or OFF.

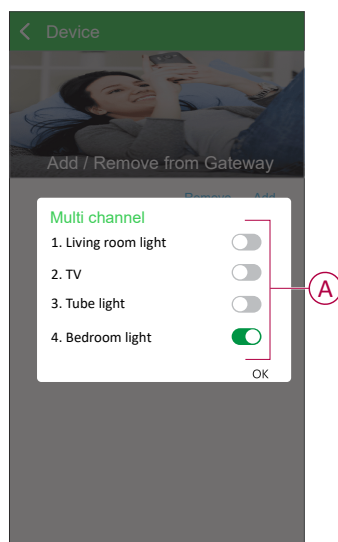
NOTE: When the puck is installed inside the wall box, the status LED is not visible while using the puck.



Turning the device On/Off using app

Using the Wiser India app, you can turn on/off the light switch remotely.

1. On the **Home** page, tap **Device**.
2. In the device list, tap on the 4 Channel relay for **Multi channel** pop-up window.
3. Use the **Toggle switch** to turn on/off the device (A).
4. Tap **OK**.



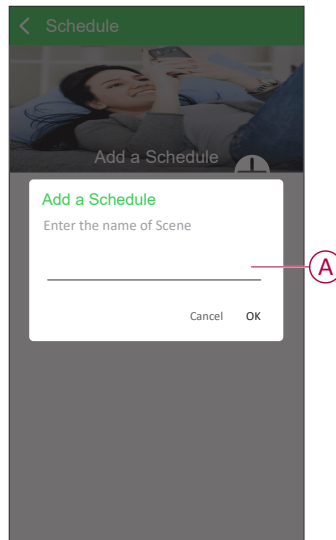
Creating a schedule

The device can be fully controlled by schedule. Once the schedule is set, the device operates at a given time.

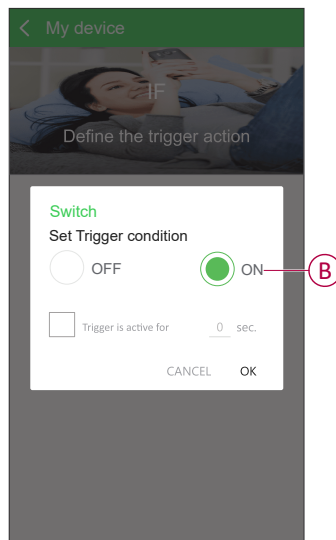
1. On the **Home** page, tap **Schedule** and tap  to add the schedule.

NOTE: If there is an existing schedule in the list then the add icon will be in white.

2. Enter the name of the schedule (A).

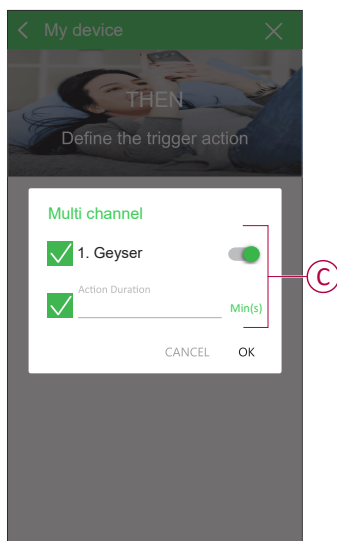


3. Go to the **IF** section and select the device you want under **Device**.
4. Set the trigger condition **ON** and click **OK** to finish (B).

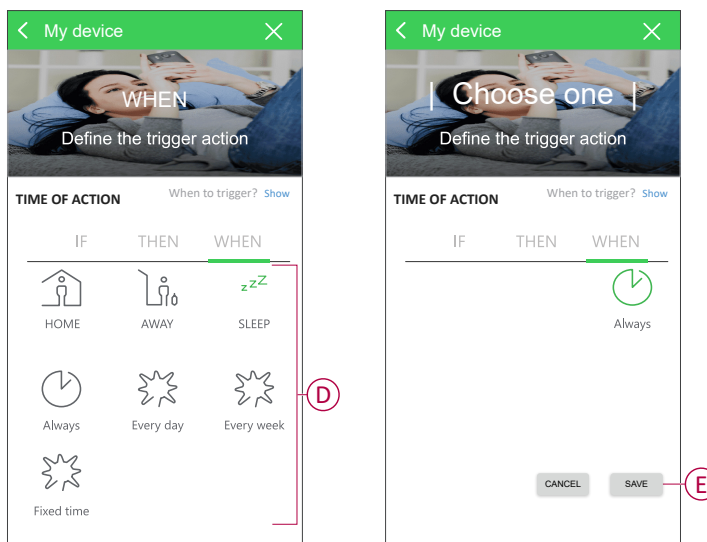


5. Go to the **THEN** tab and choose the same device selected in the **IF** section under **Device**.
6. Now select the **Action Duration** check box and enable the **Toggle switch**.

7. Set the action duration in Min(s) or Sec(s) or Hour(s) as per your need.-For example. 15 Min(s) (C).



8. Go to the **WHEN** tab and select the **TIME OF ACTION** (D) and tap **SAVE** (E).



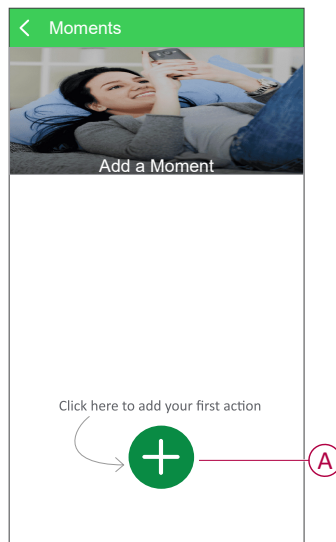
The created schedule will be available in the **Schedule** page list.

For more information on creating a schedule, refer to the video [How to create a schedule](#)

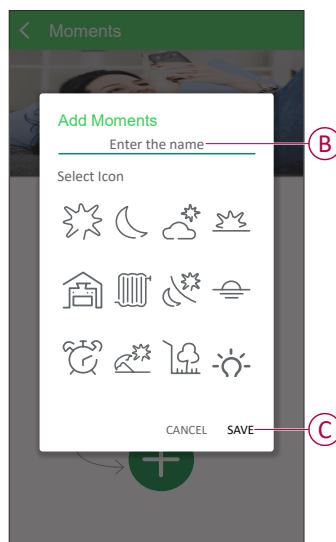
Creating a moment

A Moment allows you to group multiple actions that are usually done together. Using the Wiser India app, you can create moments based on your needs.

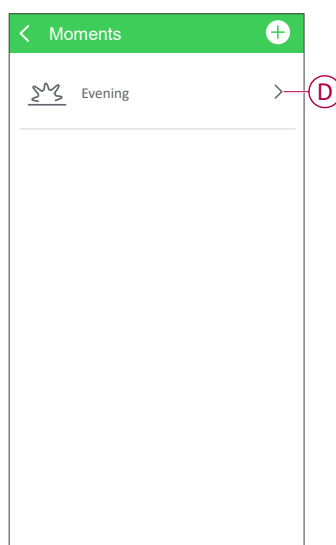
1. On the **Home** page, go to **Moments** > **+** to create a moment (A).



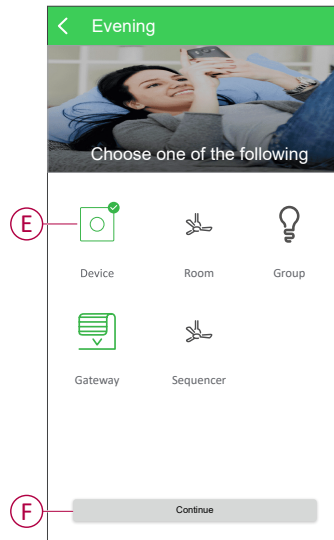
2. Tap **Enter Name** (B), enter the name of the moment and select the icon and tap **SAVE** (C).



3. Tap on > beside the created moment name (D).

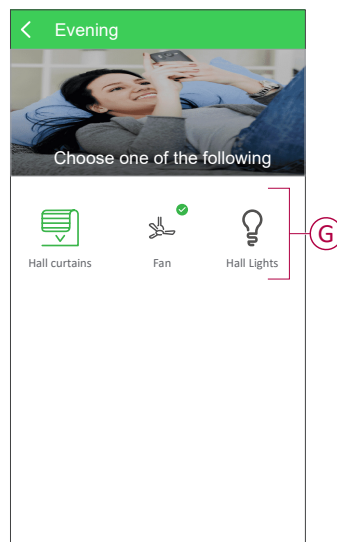


4. Tap **Device** and select the device to set the condition (E), tap **Continue** (F).

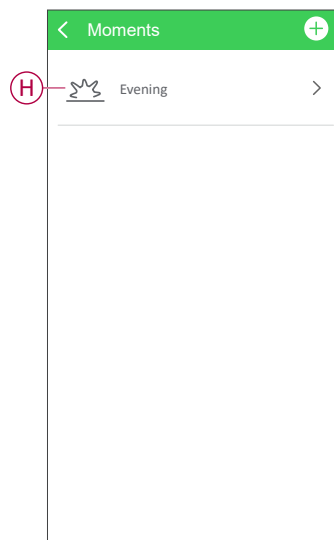


5. Set the condition and tap **OK** to finish. For example: Select Fan and choose the fan speed as 2 and tap **OK** to finish (G).

NOTE: To check the moments, turn off all the devices and run the scene.

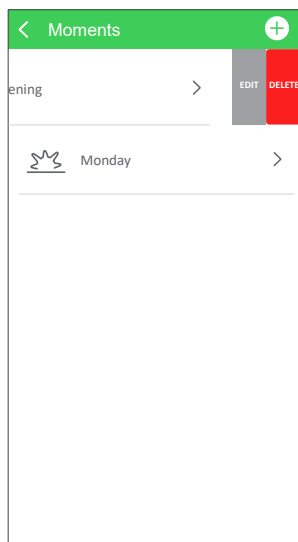


6. To run the moments, tap **Moments** and tap on the created moment icon (H).



Editing a moment

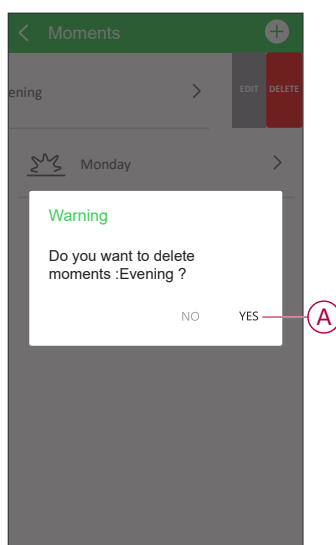
1. On the **Moments** page, locate the moment you want to edit.
2. Slide left on the selected moment, it will show the option to edit and delete, tap **EDIT**.
3. On the **EDIT** page, you can tap each item (Such as Dimmer, Fan, 4 channel relay, Curtain controller, etc.) to change the settings.



Deleting a moment

1. On the **Moments** page, locate the moment you want to delete.
2. Slide left on the selected moment, it will show the option to edit and delete, tap **DELETE**.
3. It will show a **Warning** pop-up, you can tap **YES** to delete the moment (A).


NOTE: After deleting a moment, the device action can no longer be triggered.










Checking the device history

Using the Wiser India app, you can monitor the device history.

To see the device history :

1. On the **Home** page, tap .
2. On the **Settings** page, tap **Event history**.
3. In the **Event history** page, you can see all the device status.

Event history			×
tv limit	08/24 10:44:42	Triggered	
ups	08/24 10:44:42	On	
ups	08/24 09:54:14	Off	
ups	08/24 08:54:13	Triggered	
ups	08/24 08:44:13	On	
Bedroom Fan	08/24 08:01:02	Off	
Bedroom Fan	08/24 07:05:45	On	

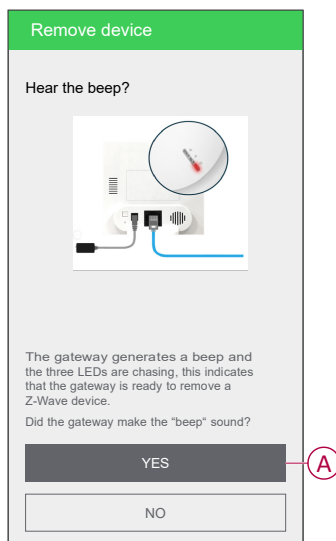
Removing the device



Using the Wiser India app, you can remove a device from the device list.

To remove the device:

1. On the **Home** page, tap  **Device**.

2. Tap **Remove** > **Other Z-Wave device** > **YES** (If you heard the beep sound).



TIP: Alternatively, on the **Home** page, tap , tap  on the device you want to delete and tap **Force to remove or replace** > **Remove**.

NOTE:

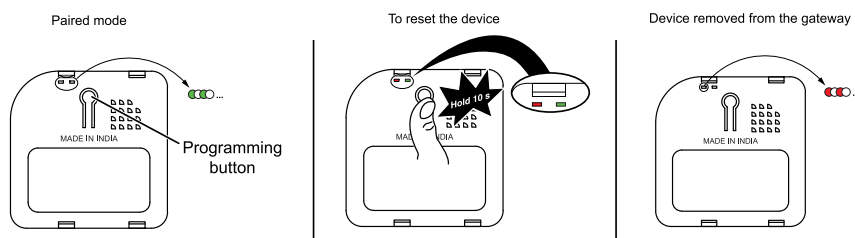
- Removing the device will reset the Puck. After reset the LED turns RED indicating that the Puck is ready to pair with another network.
- For more information, please refer to the video: [How to remove the device](#).

Resetting the device

You can reset the device to factory default manually.

For resetting the micro module:

1. Press and hold the **Programming** button for <10 s.
2. After 10 s, LED starts blinking red then release the programming button.





NOTE: All configuration data, user data, and network data are deleted. After which


- No connectivity to other devices or rooms
- No moment or schedule settings

LED indication

Pairing the device

User Action	LED Indication	Status
>Short press the programming button 3 times.	Both red and green LED's glows constantly. 	Pairing mode is active. When pairing is completed, LED blinks green continuously. 








Resetting the device

User Action	LED Indication	Status
>Short press the programming button 3 times or hold it down once for > 10 s.	LED blinks red once per second. 	The device is in reset mode. The device then restarts indicating that the device is ready for pairing.

Troubleshooting

Symptom	Possible cause	Solution
Device Not Powering ON.	<ol style="list-style-type: none"> 1. Device is offline. 2. Check wiring Connection. 3. Connect only phase and neutral to the device and check power ON status. 4. Indication LED blinking. 	<ol style="list-style-type: none"> 1. Reset Main Incomer MCB. 2. Replace the Module.
Functionality	<ol style="list-style-type: none"> 1. Check the wiring Connection. 2. Check the load values are within the limits. 3. Manual operation of relays/loads (L1, L2, L3, L4). 	<ol style="list-style-type: none"> 1. Reset Main Incomer MCB. 2. Replace the Module.
Muxing Issues	<ol style="list-style-type: none"> 1. Check the wiring Connection. 2. Check parameter setting 3. Check the load values are within the limits. 4. Manual operation. 	<ol style="list-style-type: none"> 1. Check the parameter. 2. Replace the Module.
Device not pairing	<ol style="list-style-type: none"> 1. LED Indication on the device 2. Gateway Height from the ground.(3 Feet Min.) 3. While pairing the device distance between gateway and device. (Max. 3 Feet) 4. Try removing from the app and try to pair 	<ol style="list-style-type: none"> 1. Pair the Module near the Gateway 2. Try on/off S1 Switch for 5 times by keeping app in Add device
Device inactive	<ol style="list-style-type: none"> 1. Check wiring connection. 2. Device manual working condition. L1, L2, L3, L4. 3. Distance between Gateway and Device within the coverage distance of 20 feet. 4. Include the device by keeping 3 feet distance from the gateway the Gateway. 	<ol style="list-style-type: none"> 1. Try operating the Lights with switches. 2. Reset Main Incomer MCB 3. Replace the module
Range issue/Operation failed	<ol style="list-style-type: none"> 1. Gateway Height from the ground.(3 Feet Min). 2. Distance between the gateway and the device should be within the coverage range. 3. Check the signal strength on the Wiser India App 	<ol style="list-style-type: none"> 1. Try operating the Lights with switches. 2. Reset Main Incomer MCB 3. Replace the module

Technical data

Nominal power rating for load type		
	Incandescent lamp	200 W
	Motor	100 VA
	Capacitive load	10 A, 140 µF
	Fluorescent lamp	100 W
	LED	40 W
	Boiler	2000 W
	Room heater	1500 W

Power input	100-240 VAC, 50/60 Hz
Maximum Load on Relay-per channel (x 4)	LED-max 40 W Incandescent-max 600W Inductive-max Fan-1 per channel On/Off control only
Cumulative Load-4 Individual Channels	4Ax 4 = 16A
Cumulative Load-4 Channels (muxed)	16 A x 1 = 16A (AC/Geyser)
Power consumption	< 0.5 W no load < 0.9 W load
Operating Temperature	-10 °C to +35 °C
Relative humidity	8-80 RH
RF frequency	865.22 MHz for India
Wire gauge	12-22 AWG
Typical line of sight range	Up to 20 m In open area — Indoor** Up to 30 m In open area — Outdoor**
Gateway height	3 to 5 ft from the ground
Plastic housing	Fire retardant ABS
IP rating	IP20
Product dimensions (H x W x D)	49 x 49 x 18mm
RoHS/ REACH	Components are RoHS and REACH certified
Maximum Fixing Screw	0.4 Nm (3.5 Lb-In)
Terminal Sizes / Number	7 left side and 4 right side
Size & Type of Cable	Copper 1.5 mm ²
Communication protocol	Z-Wave

Compliance

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