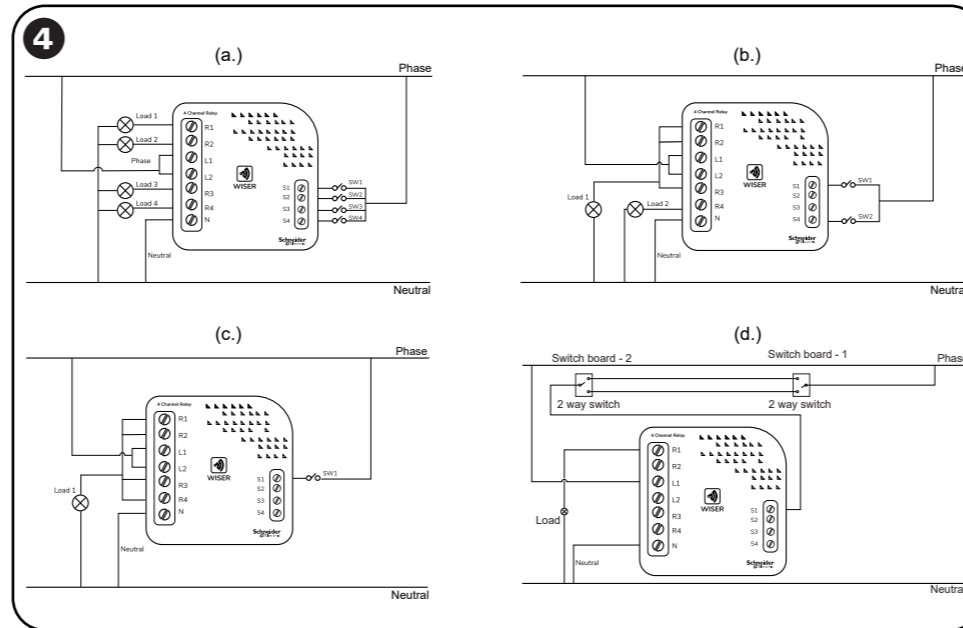
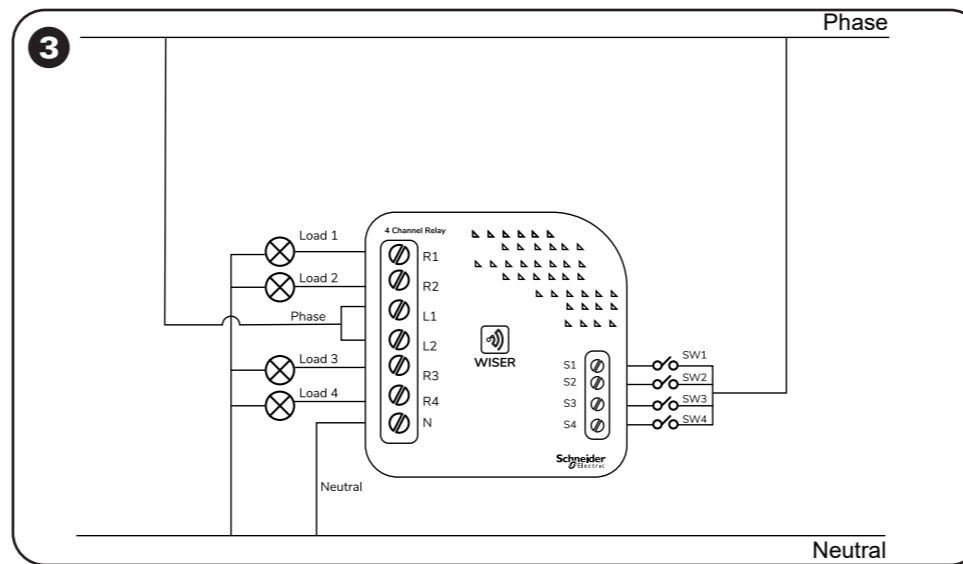
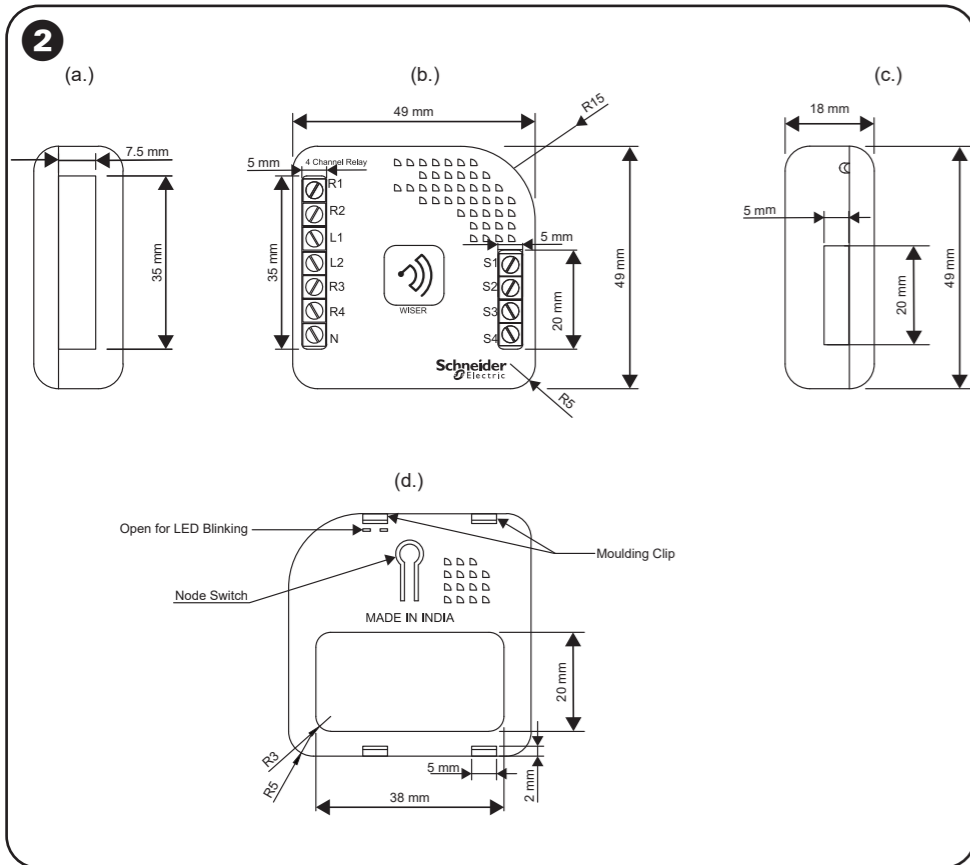
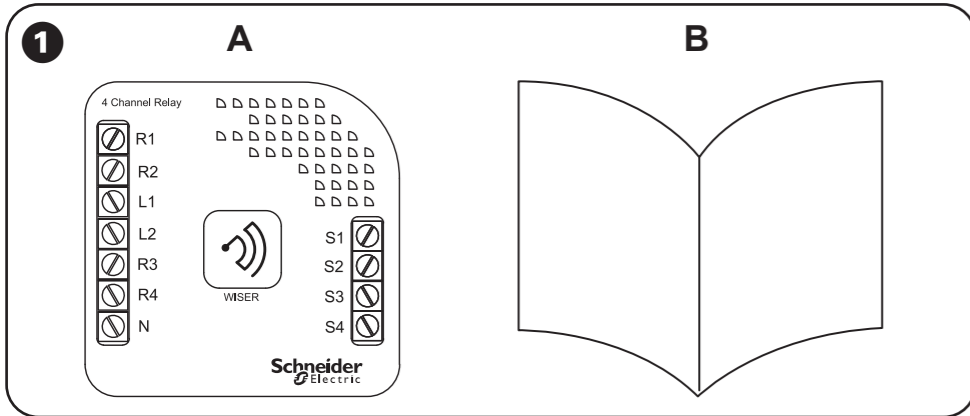


IH14000100



**About this product**

4 channel relay is a miniature micro module, 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.

**1 Package contents**

- A 4 Channel Relay
- B Installation Guide

**2 Dimensions**

- (1) Left Side View
- (2) Front View
- (3) Right Side View
- (4) Back View

**3 Wiring diagram and electrical connections**

**⚠ ⚠ DANGER**

**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Turn off the power supply before installation or servicing the device.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.

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

**4 Installing the product**

**⚠ ⚠ DANGER**

**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Turn off the power supply before installation or servicing the device.
- Remove the switch board cover frame and the switch frame to access the switches.
- Select the loads to be connected on particular terminals.
- If multiple loads are connected to a single terminal, use appropriate connectors to avoid short circuit.
- Use only minimum 1 mm<sup>2</sup> wires and maximum 1.5 mm<sup>2</sup> wires for connections.
- This device requires a neutral lead to operate. The below wiring diagrams explain the possible combinations that are available.

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

**NOTICE**

**EQUIPMENT DAMAGE**

- Wear standard personal protection equipment to give protection to the installer.
- Position the antenna far away from metal elements to avoid interference. Do not cut or shorten the antenna, as its length is matched to the band in which the system operates.
- Do not overtighten the terminal block. It can cause serious malfunctions after installations.

**Failure to follow these instructions can result in equipment damage.**

**Wiring diagrams**

- a. Controlling 4 individual loads
- b. Controlling heavy equipments of 12A and 1 individual load
- c. Controlling AC and gysrer of 16A
- d. 2 way switch wiring diagram

**Activating the Device**

**1. Installing the device.**

- a. Make sure that the power supply mains is turned off.
- b. Connect the device in accordance with the wiring diagram (a.).
- c. Connect the Phase, Neutral, and the Loads on 1-4.
- d. Connect the existing switches to S1, S2, S3, and S4.
- e. Complete all the connections and check the pairing before sealing the electrical box.

**2. Managing the device through Z-Wave network.**

- a. Place the micro module within 30 meters line of sight, as adding mode requires direct communication with the controller.

**NOTE:** Move the controller near to the primary controller during this step.

- b. Go To app >> Device >> Add or "+" device >> Choose Schneider >> 4 channel Relay >> Once hear the beep Click on Yes.
- c. Press the pairing Button once you get the trigger device on app

**NOTE:** Before resetting the module, remove the loads.

**3. Resetting the device.**

For resetting the micro module, press and hold the reset switch behind the module for 5-10 seconds and remove the device from the gateway

**4. Controlling by toggle switches.**

S1, S2, S3, and S4 are controlled by bell switches. Toggle switch operates as a two-position switch. It has no spring that would push the device after releasing manual pressure.

Setting the selected switch to ON position activates the load and vice-versa. If an external controller turns off the load and the switch is ON, turning off the switch has no effect on the load.

**5. Setting additional parameters.**

- a. Log on to Z-Wave gateway from app.
- b. Click **Device Options** >> **Add Configuration Settings**.
- c. Enter the parameter number in the Variable box, for example, to set soft muxing of S1 and S2, set [09 1-Byte-Dec 02]. Please follow the table below for different configurations.
- d. Click **Settings** >> **Configure Node Right Now**.
- e. Close the dialog box and click **SAVE** button.

**NOTE:** All the parameter to be set in Configuration→Decimal→1 Byte→Set

4 Channel Automation relay		
Function	Parameter	Value
All Individual Channels-4 channel Control	9	1-Default value
Led Load upto 80W-2 channel Combine-(R1 & R2)		2 *(No.of Channel→Master on R1 & R2 off)
Led Load upto 120W -3 channel Combine (R1 , R2 , & R3)	9	3 *(No.of Channel→Master on R1 ,R2 & R3 off)
AC , Geyser & Led upto 160W-4 channel Combine-(R1 , R2 , R3 & R4)	9	4 *(No.of Channel→Master on R1 , R2 ,R3 & R4 off)

\* Additional App Configuration

**Assembling the 4 Channel Relay Switch**

**The four loads may be operated using the following:**

- Toggle switches connected to S1, S2, S3, and S4.
- Z-Wave remote controller with multichannel implementation.
- Toggle switches.
- Compatible with Wiser Z-wave Gateway and Compatible with Alexa & google Home With Wiser Z-wave gateway.
- Compatible Android and IOS apps are available for automation gateway.

**Technical data**

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 200 W 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/Geysers)
Power consumption	< 0.5 W no load < 0.9 W load
Operating temperature	-10 to +35 °C
Relative humidity	8-80 RH
Dimensions	49mm x 49mm x 18mm
RF frequency	865.22 MHz for India EU/USA frequency available
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 7 ft from the ground
Plastic housing	Fire retardant ABS
IP Rating	IP20
RoHS/ REACH	Components are RoHS and REACH certified
Maximum Fixing Screw Torque	0.4 Nm (3.5 Lb-In)
Terminal Sizes / Number	7 left side and 4 right side
Size & Type of Cable	Copper 1.5mm <sup>2</sup>

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