akubela

Installation Guide

Switch Module

Welcome

This guide applies to the following models of switch module :

- 1 -gang: ZBMD-C1-R1
- 2-gang: ZBMD-C1-R2

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Before We Start

Your first time installing this product may take up to 20 minutes. You'll get faster after each installation.

WARNING

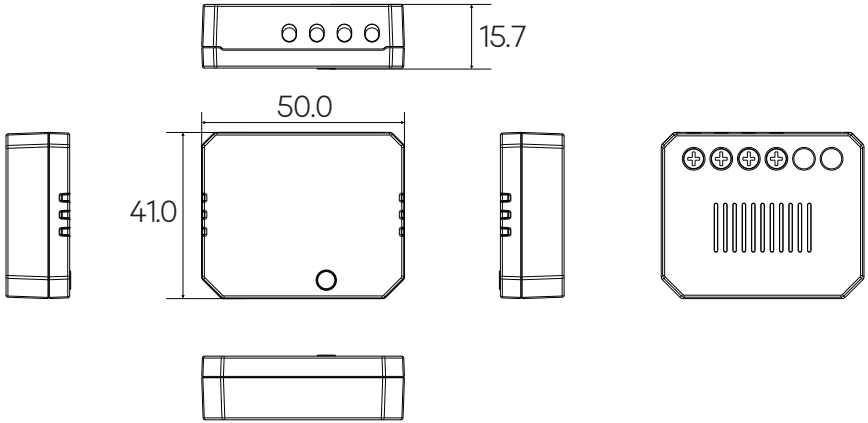
The installation procedure may involve handling high voltage wiring. Please be careful. To avoid serious personal injury, death, or property damage, turn OFF the power to the circuit and follow all safety precautions before proceeding.

Working with electricity can be dangerous. If you are unsure about, or uncomfortable with the installation, seek the help of a qualified electrician.

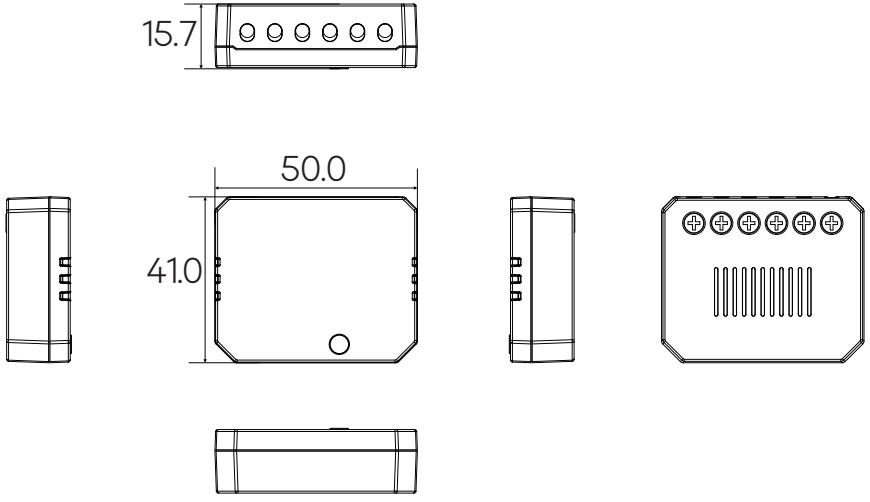
Check Compatibility

Product dimensions(mm)

- 1-gang switch module



• 2-gang switch module



Maximum load

• 1-gang switch module: 16A, 250VAC or 16A, 30VDC.
• 2-gang switch module: 10A, 250VAC or 10A, 30VDC per gang.

Power requirements

- 1-gang switch module: Requires 100 ~ 250VAC, 50/60 Hz, or 24-30VDC power supply.
- 2-gang switch module: Requires 100 ~ 250VAC, 50/60Hz, or 24-30VDC power supply.

Support ZigBee 3.0 connection

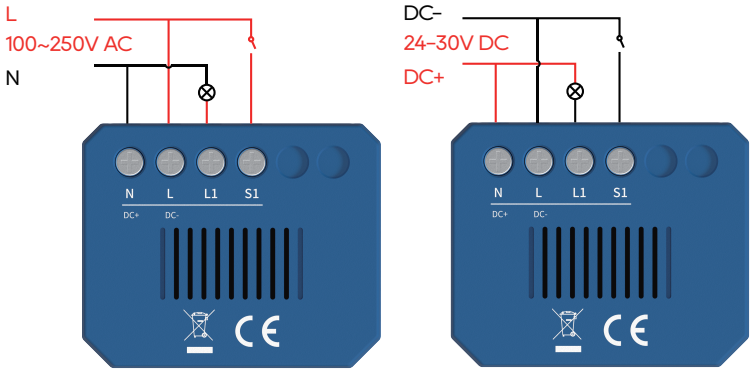
The switch module can connect to gateway devices via ZigBee 3.0 protocol.

Wiring

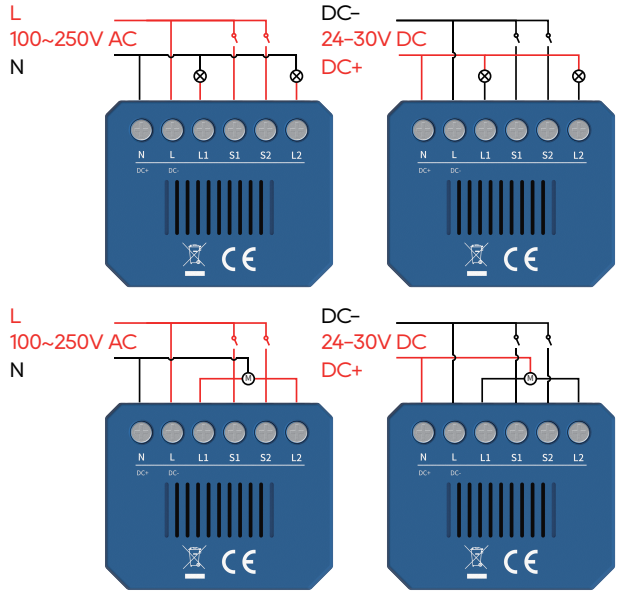
WARNING

Turn OFF the circuit breaker before wiring and proceeding! Always use a voltage detector to verify the power is OFF before wiring and installation!

Wiring diagram



1-Gang Switch Module



2-Gang Switch Module

The Neutral wire(N) connects to the N terminal.
The Line wire (L) connects to the L terminal, providing power to load devices.

- Load wires (L1 and L2) connects the switch module to load devices, such as light bulb, fans, and more.
- S1 and S2 terminals connect to external switches for control.

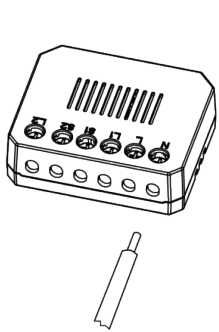
Connect wires

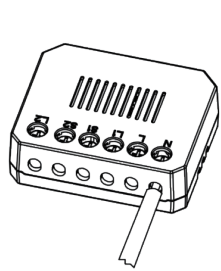
① Select wire size and strip

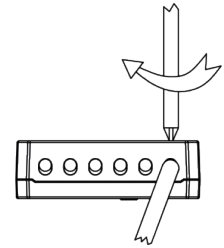


- Select wires with a size range of 1.5mm^2~ 4mm^2 according to the current rating.
- Remove the plastic sheathing of the wire, ensuring the exposed wire ends are 3mm ~ 8mm in length.

② Select wire size and strip







- Loosen the screws with a Phillips screwdriver, without removing them.
- Insert the wires into the corresponding terminals.
- Set the electric screwdriver torque to 5kgf.cm or higher.
- Tighten the screws until wires are secure.
- Double check by gently tugging on each wire.

Tip: If the screws are lost, use M3X4 or M3X5 flat head screws with a head diameter not exceeding 5mm as replacements.

Congratulations!

You are done with the switch module wiring!
Start your smart home journey with akubela now!

Get Help

For help or more assistance,
contact us at: https://ticket.akuvox.com/

For videos, guides, and additional product formation,
visit us at: https://knowledge.akuvox.com


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