

SE Devices – Axx01

Standalone Z-Wave Devices

Installation Manual

Introduction

The SE Devices Standalone Z-Wave Devices is a series of units which can be used to add remote control functionality to an electrical installation. The units are designed to be hidden within Wall Boxes and for exclusive control via Z-Wave. There are 4 different units, providing Relay and Dimming functionality equivalent to the Back Units available for the Multifunction switch and Wheel Controller. They are designed to be remote controlled from these units by adding them in the available Z-Wave Association Groups of those units.

DISCLAIMER and WARNING

The SE Devices Standalone Z-Wave Devices are powered from Mains voltage (230V), and **MUST ONLY** be installed by authorized electricians. Mains Voltage is very dangerous and can cause serious injury or death if mishandled. If the devices are not correctly installed, the devices can in the worst case pose a fire hazard.

SE Devices can **NOT** be held responsible for injuries or accidents resulting from incorrect installation and configuration, or installations performed by unauthorized installers.

The SE Devices units provide functionality for automatic shut-down in overload or RF signal loss situations. These are safety features which should be used when the units control heating systems, to protect from potentially dangerous situations. **ALWAYS** make sure the Safety functionality of the devices is activated when using the components for Heating control. SE Devices can not be held responsible for any damage caused by controlled heating systems, even when configuration and installation is technically correct. Always hire professionals to install the devices, to reduce the risk of damage caused by the heating system.

Available Standalone Devices

The following Standalone Z-Wave devices are available from SE Devices

- **AMD01** – SE Devices – Mosfet Dimmer Puck
- **AD1-10V01** – SE Devices - 1-10V Dimmer Puck
- **AR1P01** – SE Devices – 1-Pole Relay Puck (3000W)
- **AR2P01** – SE Devices – 2-Pole Relay Puck (1500W)

Device Installation

Before installation begins, make sure the Mains Power is switched off in the fuse box. Then continue installing the Standalone units in their respective wall or ceiling boxes.

1. Pull out the Cable Terminal Plug from the Back Unit.
2. Connect the two terminals marked MAINS to the L and N mains wires. The devices must have constant power in to these two terminals in order to operate correctly.
3. Connect the Load wires to the two terminals marked LOAD. Please note that the N terminal is a pass through from the MAINS N connection in all Units except the 2-Pole Relay (which breaks both the N and L wires).
4. If you are installing a 1-10V Dimmer unit, connect the 1-10V output terminals to the 1-10V inputs of the controlled 1-10V light fixtures. Make sure the polarity is correct.
5. Plug the terminal connector back into the Standalone Unit, but keep the device in reach for now. To include a device in a Z-Wave network, a short push on the device include/exclude button is required.

Repeat this procedure for all Standalone Units.

When installation is done, power the devices ON. All light and heating will be off by default. Include the devices to the Z-Wave network, and perform a basic operation test of the unit from the controller.

Wiring Diagram

