

AVCON-WRM | Wireless Relay Module for AVCON Series Controller



Key features

- **Wireless Connection:** Connects to the AVCON Series Controller via 2.4GHz wireless transmission, enabling convenient installation without additional wiring.
- **Unified Control:** Allows remote control of devices from anywhere on unified AVCON console through internet.
- **Multiple Control Interfaces:** Supports wireless control of devices using RS232, IR, and Relay interfaces.
- **Device Control Extension:** WRM is an extension of control interfaces of AVCON terminal device(products?),and each AVCON terminal device can be connected to 4 additional WRMs.

Product Overview

Introducing the AVCON-WRM Wireless Relay Module, a vital accessory for enhancing the AVCON Series Controller system. This sophisticated control box connects effortlessly to the AVCON Series via 2.4GHz wireless transmission, eliminating the need for additional wiring or modifications to existing electrical setups.

The AVCON-WRM provides centralized control over various devices through the Web Console, which can be accessed from anywhere via a Touch Panel or a web browser on a PC. It supports both instant and scheduled control, offering unparalleled flexibility and convenience for users.

Equipped with multiple control interfaces, the AVCON-WRM allows for wireless management of devices through RS232, IR, and Relay connections. Each unit handles one type of control, making it adaptable to diverse environments. The AVCON-WRM also extends the capabilities of the AVCON Series Controller by enabling the management of additional devices, with up to four AVCON-WRM units connectable to a single AVCON Series Controller.

Designed for efficiency and reliability, the AVCON-WRM operates on an DC power supply ranging from 12V, 1A with a low power consumption of less than 3W. It performs reliably across a wide temperature range of -20°C to 85°C. The module supports IEEE 802.11 b/g/n 2.4GHz WiFi for stable wireless communication and features an SPDT relay interface with a maximum load capacity of 250VAC, 10A, and a maximum switching power of 2500VA. Additionally, it includes 1 x RS232 and 1 x IR remote control interface for comprehensive device management,with 15 meters of wireless transmission range.

The AVCON-WRM is the ideal solution for expanding the control capabilities of your AVCON Series Controller system, delivering robust, flexible, and wireless management of your room technology.

Technical Specification

Features	Detail
Wireless Connection	2.4GHz wireless transmission
Compatibility	Connects to AVCON Series Controller
Installation	Wireless, no need for additional wiring
Unified Control	Remote control via Web-Console, accessible through Touch Panel or web browser
Control Interfaces	RS232, IR, Relay
Device Control Extension	Supports up to 4 AVCON-WRM units per AVCON Series Controller
DC Power Supply	DC 12V, 1A
Input Power Consumption	<3W
Working Environment	-20°C to 85°C
WiFi Standard	IEEE 802.11 b/g/n 2.4GHz
Relay Interface	NC-COM-NO,10A/240VAC (Resistive load),acts as a switch (SPDT supported)
Maximum Load (Resistance)	250VAC, 10A
Maximum Switching Power	2500VA
Communication Interfaces	1 x RS232, 1 x IR remote control
Maximum Wireless Transmission Range	15 meters