

WOM (Wireless ON/OFF Module)

Product Overview

The Wireless On/Off Module is a module that enables wireless On/Off control regardless of the type of luminaire (LED, fluorescent lamp, incandescent lamp) using international standard IEEE 802.15.4 ZIGBEE communication.

A 10Ampere Latching Relay is fired inside, and several luminaires are bundled into a circuit to be controlled at once.

In addition, it has a control line capable of 0 to 10 VDC dimming, and it is a device capable of 0 to 10V dimming wirelessly.



APPLICATIONS

- WOM has the built-in IEEE 802.15.4 ZIGBEE communication chip, and holds one Latching Relay and one channel with 0-10V control.
- It is composed of 5 AGs in one GATEWAY, and one AG can control 64 WOM / WDM.
- Controls the input voltage 220VAC, so it can be controlled regardless of the luminaire type.
- Easy for installation work according to wireless communication.
- The internal Latching Relay is equipped with a current sensing circuit for status monitoring, so current monitoring and status monitoring are possible.
- Each WOM can set an address, so it can control interlocking with individual or groups
- Maximum and minimum values of 0 to 10V Dimming range can be set.

Major Feature

- 0~10V Dimming control
- 1 Latching Relay On/Off control
- Real-time current monitoring through current sensing circuit
- Each module can be individually addressed
- Each module can be assigned to 16 groups
- Works with EnOcean switches
- Self-diagnosis function: communication error and dimming output error
- Own information status

Control Function

- On/ Off function
- Up (to Max.)
- Down (to Min.)
- Step Up(No Fading)
- Step Down(No Fading)
- Max. Level
- Min. Level
- Step Down And Off (to Off)
- On And Step Up
- AG, Short Address setting
- Upload status and level values

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SPECIFICATIONS

1. HARDWARE function and structure

- MCU : 32bit Arm Processor(coreTex –M3) series
- Latching Relay : 1EA
- Dimming : 0~10VDC 1CH
- Built-in current sensing circuit

2. Power Supply

- Input power : 220VAC / 60Hz
- Output current : max. 10A

3. Setting

- Address Setting : 0~64

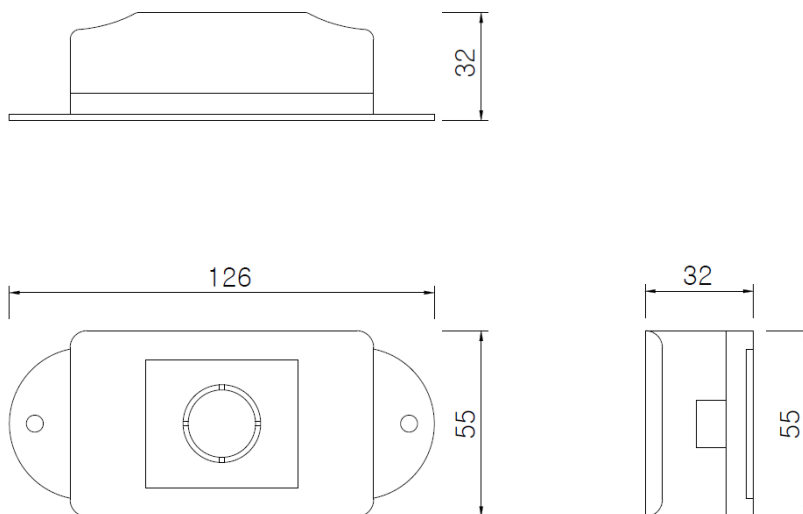
4. Operation Environment

- Operation Condition : 0 ~ 60 °C 0~90 RH

5. Communication method

- Communication protocol : IEEE 802.15.4 ZIGBEE communication

DIMENSION



WDM (Wireless Dimming Module)

CONNECTION DIAGRAM

