

# Smart Light Controller

Featuring LoRaWAN®

## WS558



WS558 is a LoRaWAN® Smart Light Controller for monitoring and controlling lights locally or remotely. With 2 circuit types and 8 switches, it fits different rooms without the need of re-wiring, reducing the renovation costs. Compliant with Milesight LoRaWAN® gateway and Milesight IoT Cloud solution, WS558 can be monitored and controlled via webpage or mobile App remotely and triggered by other Milesight sensors. Besides, WS558 supports Milesight D2D communication protocol, which can set up connection quickly and be controlled without gateway. WS558 can be widely used for wireless control of indoor lights, fans, heaters, machines, etc.

## ◆ Features

- LN type or switch type optional, capable of controlling up to 8 circuits of lights, adopts different indoor wiring
- Supports local switch button control, able to test the lamp status without networking after the wiring is completed
- Collects data of current, voltage, power, electrical consumption for smart management
- Ultra-wide-distance wireless transmission up to line of sight of 15 km
- Equipped with NFC for one-touch configuration, supports card emulation mode
- Compliant with standard LoRaWAN® gateways and network servers
- Compliant with Milesight IoT Cloud
- Supports Milesight D2D protocol to enable ultra-low latency control without gateway
- Supports multicast for control in bulk

## ◆ Specifications

Wireless Transmission	
Technology	LoRaWAN®, Milesight D2D
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137dBm
Mode	OTAA/ABP Class C
Electrical	
Circuit Type	LN Type / Switch Type (Optional)
Input Voltage	100~250 VAC, 50~60 Hz
Output	LN Type: 8 Active Outputs, Capacitive & inductive load: maximum 5A per output, total 16A Resistive load: maximum 10A per output, total 16A
	Switch Type: 8 Passive Switches, Capacitive & inductive load: maximum 5A per switch Resistive load: maximum 10A per switch
Electrical Measurement (LN Type Only)	Voltage (VAC), Current (mA), Power Factor (%), Power (W), Power Consumption (kW·h)
Software	
Configuration	NFC, USB Type-C or Downlink
Switch Control	Local Press or Remote Control
Advanced Features	Multicast, Remote Schedule Switch, Overcurrent Protection, D2D Agent
Physical Characteristics	
Color/ Material	Creamy-white, ABS
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Relative Humidity	≤ 95% (Non-condensing)
Dimensions	145 × 90 × 40 mm (5.7 × 3.54 × 1.57 in)
Installation	Wall Mounting, DIN Rail Mounting



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Capteur - Transmettre - Analyser  
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