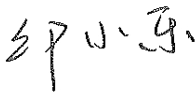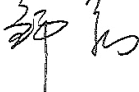# SPECIFICATION

Product Name: Daylight Sensor

Model No.:   MS02

Issue Date: October 27,2020

CUSTOMER   APPROVED

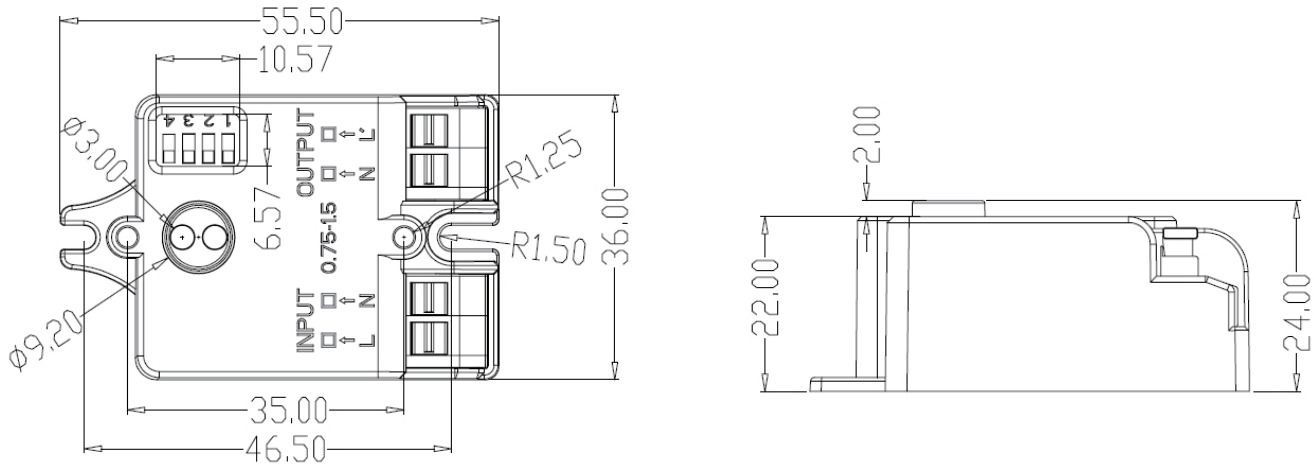| PRODUCT DIRECTOR APPROVED	SALES CHECKED	R&D CHECKED	PREPARED

1. Features

- Built-in photocell for dusk-dawn switching.

- Multi target lux level optional by DIP switch.

- Compact design, suitable for many luminaries.

- Patent technology can distinguish the artificial and natural light.

Note: MS02 is a daylight sensor switching on lights at dusk and switching off lights at dawn, it's suitable to install in LED light fixtures.
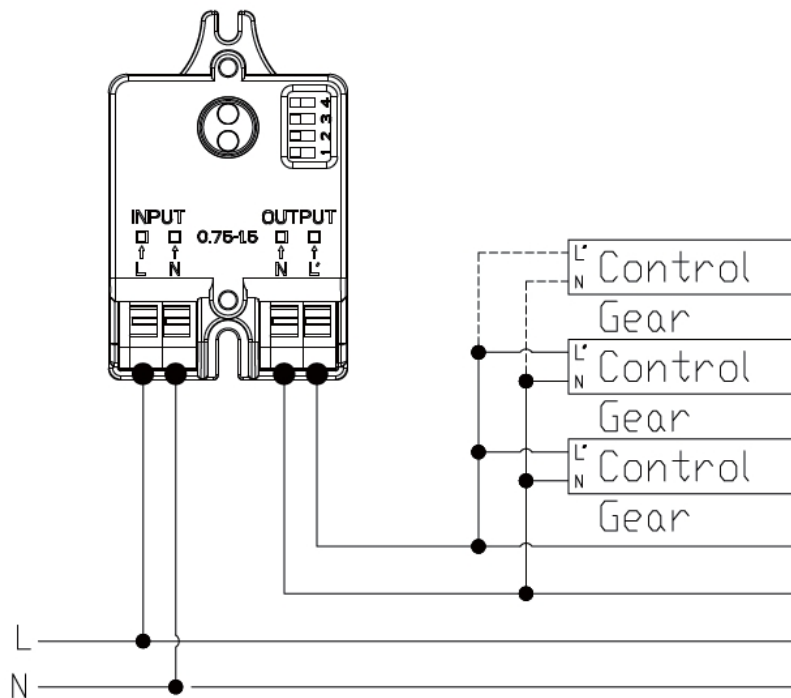
2. Parameter

Input	Operating Voltage Range	187-264Vac 50 Hz
	Rated Voltage	220-240Vac 50 Hz
	No Load Power	≤ 0.5W
Output	Type of Load	≤ 800W (resistive), ≤ 400W (inductive / LED)
	Working Mode	On/off
Sensor Parameters	Daylight Threshold	On/Off Value 5lux/25lux,10lux/50lux,25lux/75lux,50lux/100lux,100lux/200lux, 150lux/300lux, 200lux/400lux, disable
Operating Environment	Operating Temperature	-25℃…+60℃
Standards	Certificate	CE
Others	Wiring	press-in terminal *4
	IP Rating	IP20 (built-in)
	Protection Class	Class 2
	Installation Size	46.5mm (external shell:46mm*36mm*22mm)
	Package	White bag+Clapboard + Carton(K=A)
	Lifetime	5 years warranty @Ta 230V full load

Shenzhen Merrytek Technology Co.,Ltd

Add: No.17th Building, Dianda Guyuan Industrial Park, Mashantou, Matian, Guangming District, Shenzhen, China, 518106
Tel: +86 (0)755-2305 7253   Fax: +86 (0)755-2786 3012   Website: www.merrytek.com

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3. Dimension (mm)

4. Wiring

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5. DIP Switch Setting

Daylight Threshold: On/Off function (natural light lux)

	1	2	3	4	open	close
I	ON	ON	ON	ON	5Lux	25Lux
II	ON	ON	ON	-	10Lux	50Lux
III	ON	ON	-	ON	25Lux	75Lux
IV	ON	ON	-	-	50Lux	100Lux
V	ON	-	ON	-	100Lux	200Lux
VI	ON	-	-	-	150Lux	300Lux
VII	-	ON	-	-	200Lux	400Lux
VIII	-	-	-	-	Disable	

Remark:
Due to the difference of sunny days, cloudy days, and the light transmittance of the lamp shade, there is a certain tolerance of the light sensor open or close value, please confirm to the final test value under real lighting installation.

6. Factory Setting

Open: 5Lux   close: 25Lux

7. Application Notice

Working mode: before power on, dial the DIP at any position between I - VII, when the light reaches the set value, the light control switch will response after 8S delay.