

Product Specification

Product name	Wireless Node Controller with NEMA Interface(HPA)
Model	MSDK6149



SHANGHAI MOONS' AUTOMATION CONTROL „LTD.

1 DESCRIPTIONS

The MSDK6149 series wireless node controllers are designed for roadway and area lighting. It can turn on / off , dimming and monitor lights; and can locate own position by GPS; and can detect ambient light.

1.1 FEATURES

- Wide input voltage design, can work at 100 ~ 277VAC voltage.
- Surge: 10KV, 5KA.
- Operating temperature: -40 to 70°C.
- Power consumption <2W.
- Radio frequency: 2.4GHz ISM Band.
- Meet IEEE802.15.4 standard.
- Security: AES128 encryption.
- It can switch up to 1000W LED drivers.(220Vac,5A)
- 2 Channels 0~10V dimming interface (Analog).
- Monitor the lamps' voltage, current, power, power factor, temperature.
- Energy consumption statistics and working time statistics.
- Communication fault protection mechanisms, run according to the time and illuminance.
- Failure mode: Fail-on.
- Built-in GPS module, accuracy $\pm 6M$ (no obstruction to air). Realize automatic positioning and astronomical clock timing.
- Photocell: Complies with ANSI C136.10.(Only offline mode)
- Schedule & Photocell combination dimming.
- Complies with FCC Part 15.
- Complies with UL773.
- Complies with ANSI C136.41-2013.
- Warranty: 5 years standard.

2 CHARACTERISTICS

2.1 OPERATING CONDITIONS

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Operating temperature		-40	/	70	°C
Storage temperature	Indoor dry, well-ventilated place	-40	/	85	°C
Relative humidity	No frost	10	/	95	%
Vibration		/	/	10	G
Warranty			5		Years

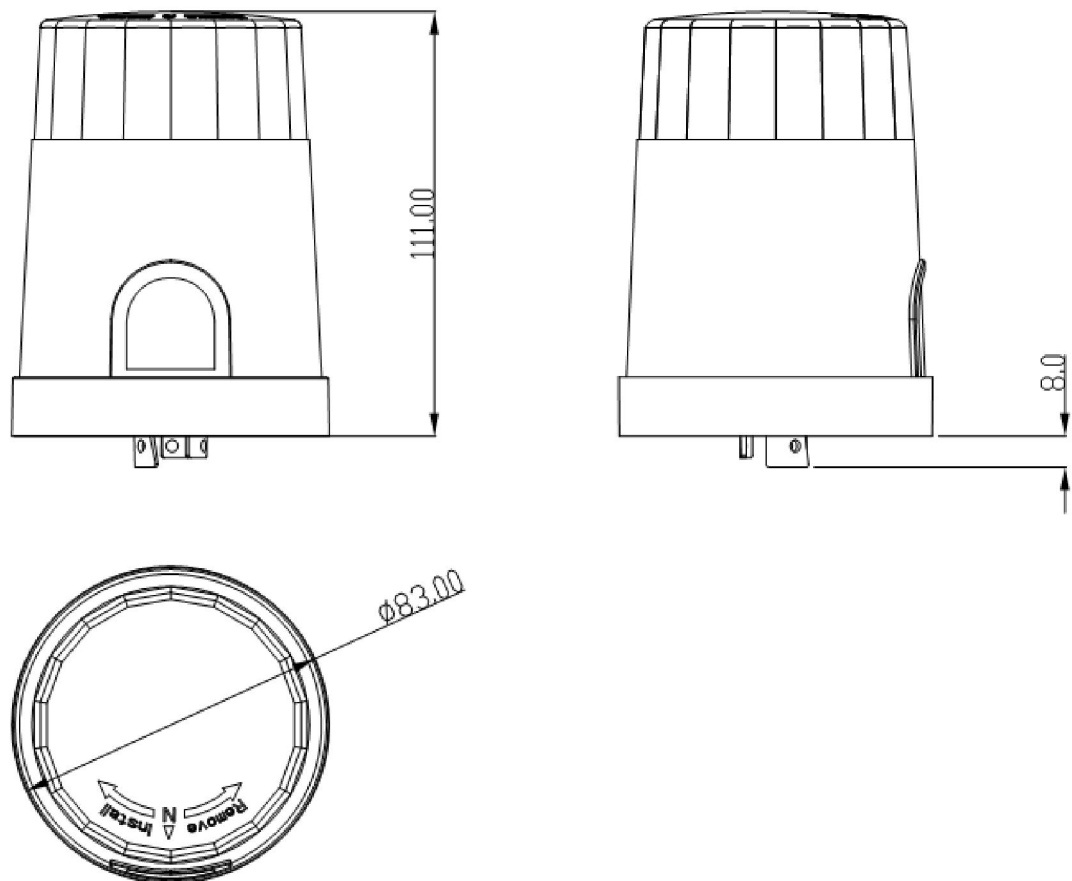
Ingress protection	Overall test after installation	/	IP65	/	
Packaging Impact	Drop	/	1	/	m
Flammability		UL94-V0			

3 MECHANICAL DATA

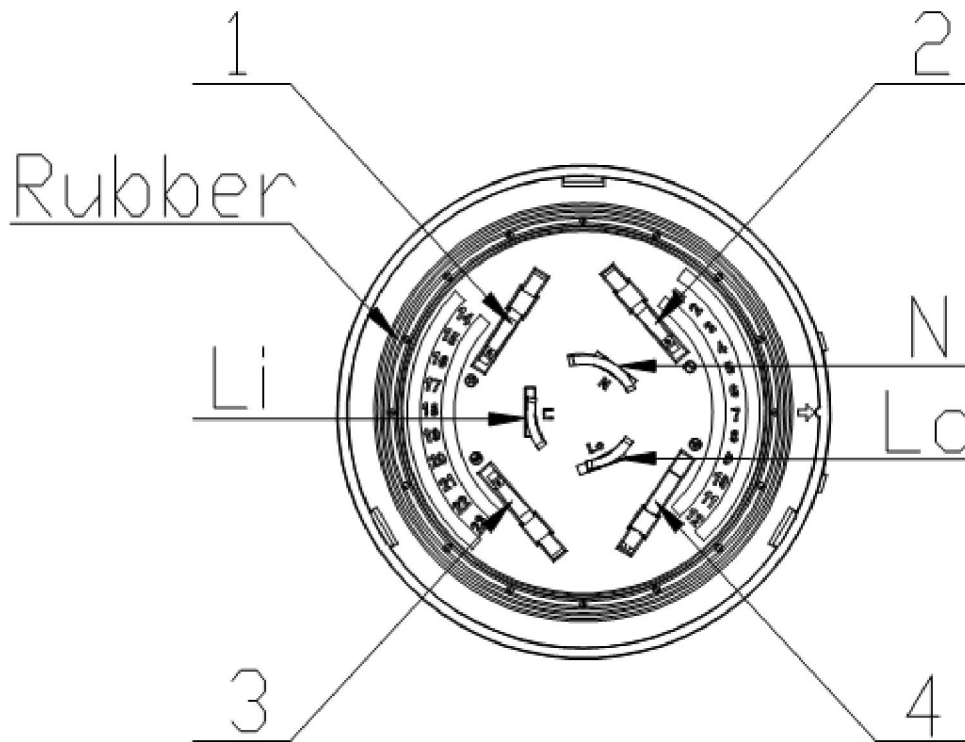
NET WEIGHT: 230g(with box)

COVER COLOR: BLUE

3.1 DIMENSIONS



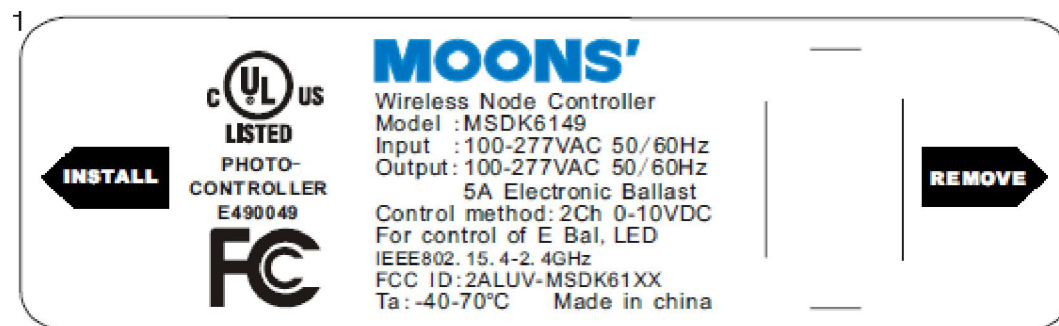
3.2 INTERFACE



BOTTOM VIEW

- PIN Li: Live line input;
- PIN Lo: Live line output;
- PIN N: Neutral line input;
- PIN 1: CH1 Dim+;
- PIN 2: CH1 Dim-;
- PIN 3: CH2 Dim+;
- PIN 4: CH2 Dim-;
- The Rubber Ring makes installation ingress protection can reach IP65;
- Complies with ANSI C136.41-2013

4 LABEL



NI = Product code

YY = Year code

WW = Week code

XXXXXXXX = Serial code & PHY address

5 ORDERING

DESCRIPTION	ORDERING CODE
MSDK6149	4696350004590
RECEPTACLE	From LONGJOIN
JL-240XA1412R7P-N1 (Optional)	4718405007127
ROTATABLE RECEPTACLE	From LONGJOIN
JL-240TL-XA-1412R7P (Optional)	4718405007917