

# DH-ILP-04

single lamp controller



DH-ILP-04 single lamp controller adopts 0-10V dimming technology, mainly used for dimming and status acquisition of single lamp.

## Function introduction

### 1. Automatic dimming and switching functions of lamps and lanterns

According to the set schedule or scene value, the brightness of the lamp is automatically adjusted, and the adjustment range is 0~100%. It has a built-in relay and has a high impact current resistance.

The dimming mode can be customized, 0~10V, 1~10V, 1~5V, 10V PWM, 5V PWM, etc., the default is 1-10V. If the internal relay is used, the maximum power of the lamp connected to the output terminal is 220V 400W (2A) or 110V

200W (2A); only use dimming function, no limit on power.

The driving capacity of the dimming terminal is 20mA, and it can connect up to 5 LED dimming power supplies, and the total driving current of the control terminals of the 5 power supplies is less than 20mA.

### 2. Fault collection and alarm function

The intelligent lighting controller can collect the power value of the lamp, and judge whether the lamp is faulty through the power value. The default value is 5W, that is, if the dimming value is greater than 10% and the power is less than 5W, it is considered faulty;

The intelligent lighting controller can collect the ambient temperature of the lamp, and judge whether the lamp has a temperature failure through the temperature value;(need to be customized)

After confirming the fault information, it will be reported to the central controller at the same time.

### 3. Real-time clock, automatic time correction

The intelligent lighting controller adopts a soft clock, and the time is corrected by the centralized controller at intervals.

4、 With electrical parameter monitoring function : Internally integrated high-precision electric energy acquisition module, which can collect voltage, current and active power parameters.

## Technical Parameters

### 1. Electrical parameters

Project		calibration value
Operating Voltage		AC 220V±20%
Working frequency		50Hz
Power consumption		<2W
Withstand voltage	L/N-DIM/485 Protocol	3.75KV
	L/N-PE	1.5KV
	DIM/485 Wire-PE	1.5KV
Surge	L-N	±8kV
	L/N -PE	±8kV
Static electricity	contact discharge	±8KV
Metrology grade		Grade 2
Dimming drive capability		20mA
Dimming method		0-10V
Lamp power		<400W(2A, 220V)Or 200W(1A, 110V)

### 2. Environmental parameters

Project	Calibration
Normal operating Temperature	-25°C ~ +60°C
Extreme operating temperature	-40°C ~ +80°C
Storage and transport temperature	-45°C ~ +80°C
Storage Humidity Range	≤85%
waterproof level	IP65

### 3. Product Size

