

# Hontech-wins

## USER MANUAL

DIGITAL Manual iDimmer 2L Pro(All New 8th)

 iDimmer 2L Pro

HT-DIM-015L



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# Specific Parameters

## 2L Manual Dimmer

### 1. Technical Features

AC Input	90-130Vac 50/60Hz 180-264Vac 50/60Hz
Rated Power	1000W 90-130Vac 1500W 180-264Vac
Input Current	10A Max
Lightning protections	Anti 6KV Lightning Surge
Safety	The light brightness dim to 0% , live wire was disconnected by relay.
Performance	Harmonic Current Inhibition
Optimal Brightness level	0-100%
Five Protections	① SCP (Short Circuit Protection) ② OCP (Over Current Protection) ③ OVP (Over Voltage Protection) ④ OPP (Over Power Protection) ⑤ OTP (Over Temperature Protection)
Dimensions	275*154*66mm
Weight	1.8kg
Permitted ambient temperature Storage temperature	-20 C ~50 C -30 C ~80 C
Waterproof grade	IP54
External Control	0-10V Signal ; RS-485
Conformity with standard	EN 60669-2-1
Warranty	5 years

\*Check the technical specification of lamps

### 2. Safety Instructions



**CAUTION!!!DANGER OF LIFE / RISK OF FIRE AND ELECTRIC SHOCK!!**

- Installation and assembly of electrical equipment must be carried out only by professional electrician!
- Connect the supply voltage/frequency as stated on the product!
- Disconnect device from power supply for wiring and installation purposes!
- Check power supply is disconnected!
- Defective devices have to be put out of service immediately!

- ◆ Warranty void if housing opened by unauthorised person!
- ◆ The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits!
- ◆ Installation and assembly of electrical equipment must be in accordance with local building and electrical codes!

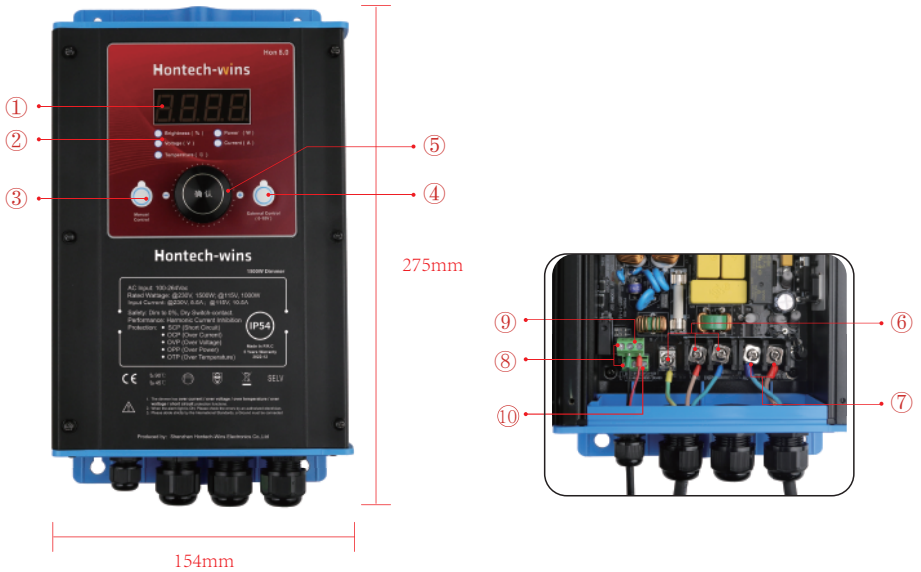
#### Important Note

For all transformers and lamps, please take into account the specifications of the manufacturer!

# Specific Parameters

## 2L Manual Dimmer

### 3. User Interface



NO	Name	Description
1	LCD	Display information of this dimmer
2	Indicator light	Indicator light for Brightness、Power、Voltage、Current and Temperature (Select by pressing Enter)
3	Manual Control	Pressing the button to Manual control the brightness by Rotary Switch
4	External Control	Pressing the button to external 0-10v signal control
5	Rotary Switch (Enter)	By rotating the switch for changing the brightness and Enter for selection
6	AC Input Terminal	Connecting L (Live Wire), N (Neutral Wire) and GND (Ground Wire)
7	AC Output Terminal	Connecting the lights
8	Dry-contact Port	REL0 : Working with light. The dry-contact port NO/NC, when light ON/OFF
		REL1 : Working with alarm. The dry-contact port NC/NO, when appearing the OVP、 UVP、 OTP、 OCP alarm or not
		REL2 : Connecting to the drinker system, starting 30s in advance
9	0-10V Port	0-10V signal input for external control
10	RS-485 Port	Connecting to remote communication network, customized communication protocols of RS485, reserved function

# Specific Parameters

## 2L Manual Dimmer

### 4. Minimum Brightness Setting

If the 1% brightness of the lamp cannot meet the production needs, the user can adjust the optimal minimum brightness. The operation method is as follows:

- Step 1: Adjust the manual brightness to 1% ;
- Step 2: Press "Manual Control" button 5s until the indicator light of "External Control" and "Manual Control" ON together, and then release ;
- Step 3: Turn the " Enter " rotary to adjust the optimal brightness. Then press "Enter" button finish the setting .

**Remarks:** The coefficient of the minimum brightness adjustment is in the range of 20-1520, the larger the number, the brighter the brightness at 1%.

### 5. Situation For Alarm Occur

When an error occurs, an alarm code appears on the dimmer LCD Display.

The dimmer switches on protection and the lights shut down.

When solve the errors, the dimmers and lights can restart within 1 mins or Manually turn ON/OFF the AC Power.

Alarm Code	Fault cause	Shutdown-load (Output channels)	Alarm indication	Action
Er01	Power supply over 267Vac	YES	Green Voltage light ON and Blinking	Make sure voltage in 180-264Vac
Er02	Power supply under 83Vac	YES	Green Voltage light ON and Blinking	
Er03	Short-circuit to load output terminal or Current over 9.27A	YES	Green Current light ON and Blinking	Please check whether an overloading or short-circuit is present on the dimmer-output
Er04	Load exceeds >1570W	YES	Green Power light ON and Blinking	
Er05	Temperature inside controller higher than 110°C or excessive ambient temperature.	YES	Green Temperature light ON and Blinking	Correct cooling has to be secured. Alternatively, please decrease load connected to the output of the dimmer. Dimmer restart less than 95°C

### 6. Cable Reference

Cable Size (m m <sup>2</sup> )	Rated AMP	Max.AMP	Suggested Power loaded
2*0.75 m m <sup>2</sup>	3.2A	3.7A	640W
2*1.0 m m <sup>2</sup>	5.2A	5.9A	1040W
2*1.5 m m <sup>2</sup>	8.2A	9.4A	1640W

### 7. Dimmer Capacity Load Reference

Wattage Max Load	≤15W Hontech LED Bulb	≤20W Hontech LED Tube Light	≤25W Hontech LED Tube Light	Other Brand lights (leading edge)
@220Vac	1300W max	1350W max	1500W max	900W max
@120Vac	780W max	810W max	900W max	600W max