



## YC-DR.30B System Power Module

### Product Manual

Release : April 14, 2021

Version : V1.0



Figure 1. System Power Module

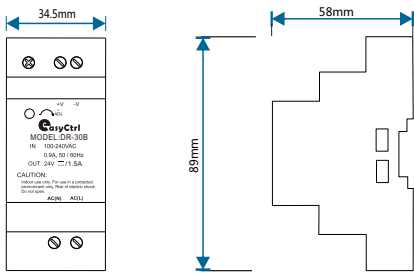


Figure 2. Dimensional Drawing - Front View

Figure 3. Dimensional Drawing -Sideview

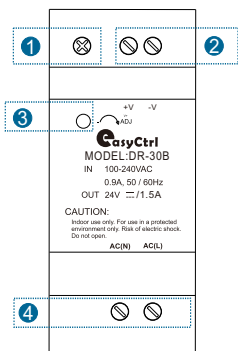


Figure 4. Product Information

## Product Overview

System Power Module (see Figure 1) serves as a system power supply unit, typically installed in a distribution box. DIN rail installation, occupies 2P module units, used for power supply of modules in the electrical box, with two sets of 24V/0~1.5A output interface, can supply 8-10 devices power supply.

## Function Description

- Standard 35mm DIN rail installation: Occupies 2P module units.
- 110~220VAC wide voltage supply.
- Adopts industrial DC-DC isolated power module, providing 24V/0~1.5A.
- The isolation protection circuit can be equipped with electric heating plug, overvoltage and overload protection.
- Plastic shell design, can effectively prevent users from electrical hazards.
- Work efficiency up to 90%.
- LED indicates power on.

## Precautions

- Output wiring with  $\leq 0.75$  square four-core wire.
- After installation, check all connections to ensure they are correctly connected.

## Product Information

Product Dimensions: See Figures 2 and 3

Product Wiring: See Figure 5

Product Information: See Figure 4

1. Output voltage knob.
2. Weak current part
  - +Vo output positive 24V.
  - -Vo output negative GND.
3. Power indicator light.
4. Strong current part
  - AC 220V Firewire input (L terminal).
  - AC 220V zero input (N terminal).
  - The aperture can be connected to  $\phi 2.5$  wire.

## Product Installation

See Figures 6-8

- Step 1. Secure the 35mm rail with screws.
- Step 2. Remove the snap-on cover from the system power module.
- Step 3. Press the entire module onto the rail and slide it until it is in the correct position, then snap the cover into place.

## Safety Warning

- Tightening torque should not exceed 0.4 Nm.
- Input power wire: Max 4mm<sup>2</sup>; Load wire: Max 1mm<sup>2</sup>.
- Installation location: Distribution box.
- L, N interface wiring is not short circuit, otherwise, it will damage devices.
- +Vo, -Vo interface must not be connected to AC power; otherwise, it will damage all devices on the bus.
- Ensure a good ventilation environment.
- Do not expose to rain, contact with other liquids, or corrosive gases.

## Packing List

- YC-DR.30B\*1/User Manual\*1/Certificate of Conformity\*1

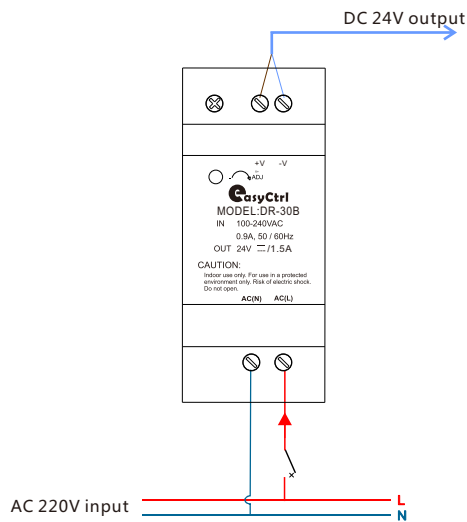


Figure 5. Product Wiring Diagram



Figure 6

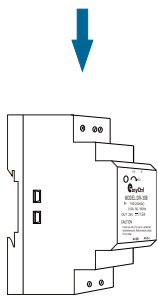


Figure 7

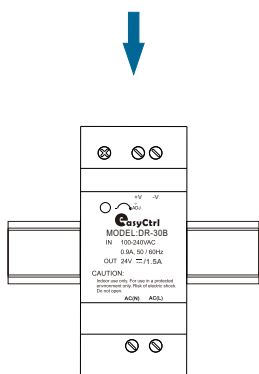


Figure 8

Figure 6-8. Installation Drawing

## Technical Parameters

### Basic Parameters

Power Input	AC 110~220V
Output Voltage	24VDC±10%
Rated Current	1.5A
Input Efficiency	90%
Protection	overload and overvoltage protection

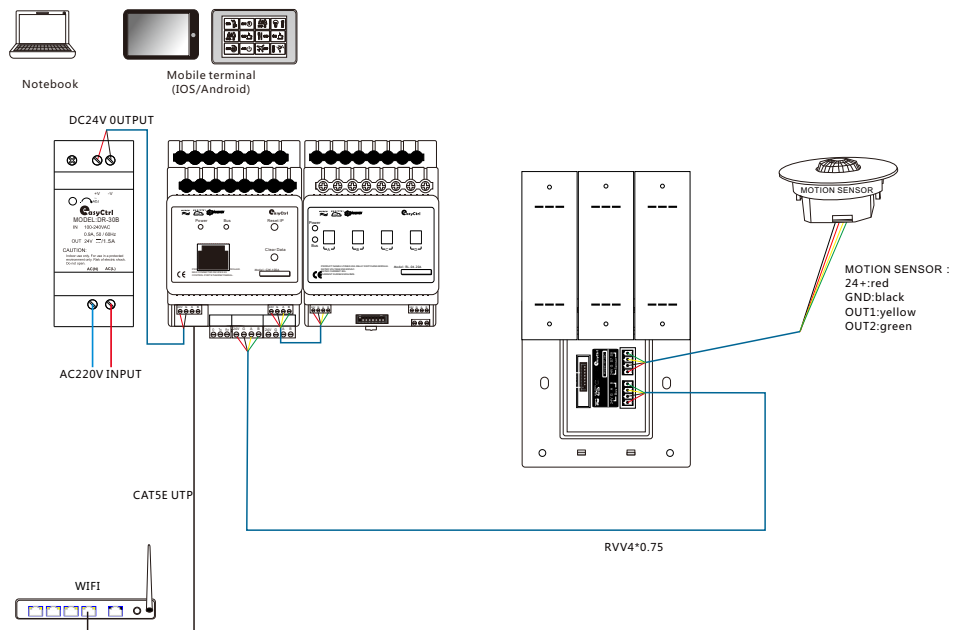
### External Environment

Operating Temperature	0°C~70°C
Operating Relative Humidity	20~90% RH
Storage Temperature	-40°C~55°C
Storage Relative Humidity	10~95% RH

### Product Specifications

Dimensions ( L*W*H )	89 mm*34.5 mm*58 mm
Net Weight	≤120 g/pcs
Enclosure Material	flame retardantPP
Installation Method	standard 35mm DIN rail mounting (see Figure 9-12)
Protection Level	NONE

### System Diagram



### Technical support

Service Hotline: 86-18029750069

working hours: 9:00-12:00,13:00-18:00,From Monday to Friday)

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