



YC-DR.30B
System Power Module

Product Manual

Release : April 14, 2021
Version : V1.0



Figure 1. System Power Module

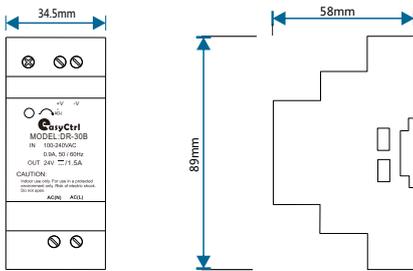


Figure 2. Dimensional Drawing - Front View

Figure 3. Dimensional Drawing - Sideview

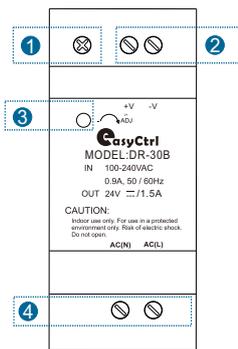


Figure 4. Product Information

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 ≤ 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 4mm²; Load wire: Max 1mm².
- 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

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

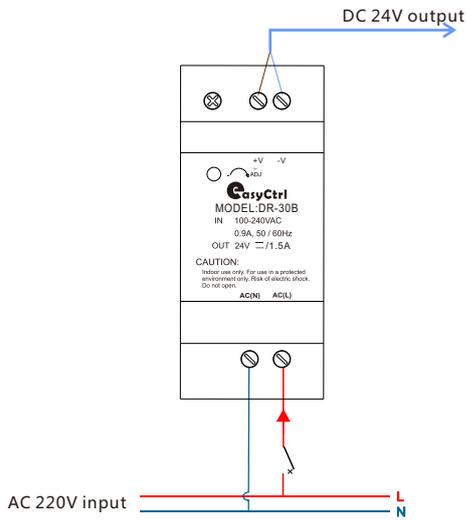
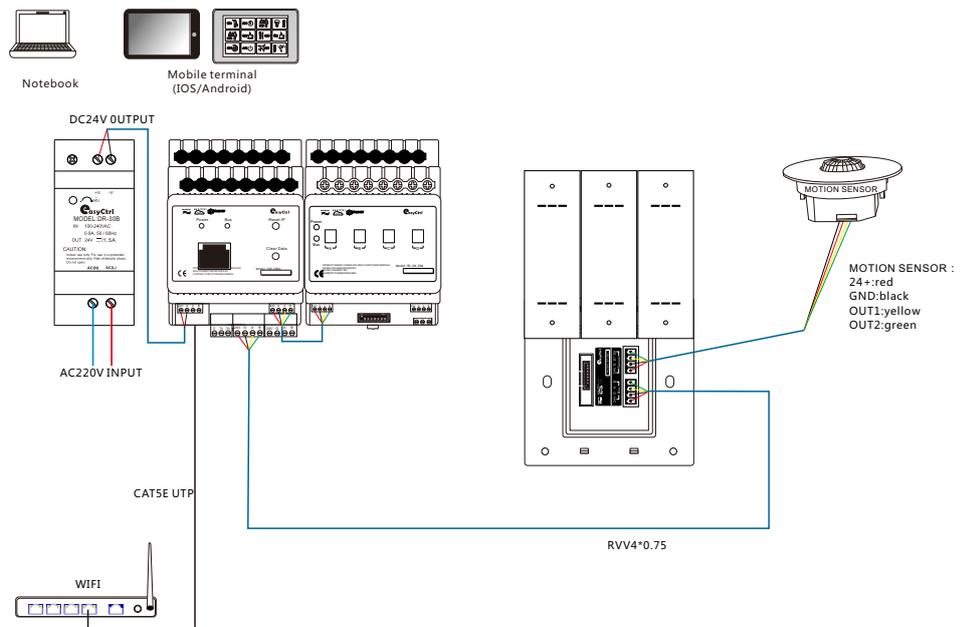


Figure 5. Product Wiring Diagram



Figure 6

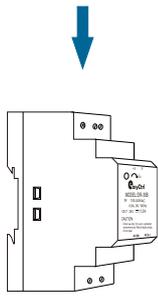


Figure 7

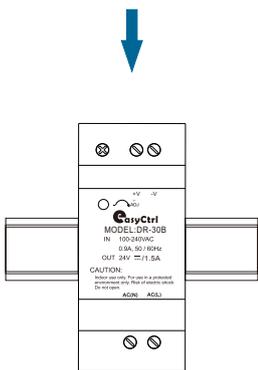


Figure 8

Figure 6-8. Installation Drawing

Technical support

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