

OMRON

# SYSMAC CJ series for Power Supply unit Instruction SHEET

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## Precautions for Compliance with UL/CSA Standards, EU Directives and UK Legislations

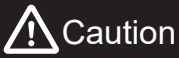
### Notice to Users of SYSMAC CJ series in USA, Canada and Europe

This manual must be consulted in all cases in order to find out the nature of the potential HAZARDS and any actions which have to be taken to avoid them.

If the equipment is used in a manner not specified by the manufacturer, the protection by the equipment may be impaired.

This product is defined as an in-panel device and must be installed within a control panel.

### ● Definition of Precautionary Information



Caution

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, or property damage.

### ● Environment

Indoor use only

Altitude: Max. 2,000 m

Ambient Temperature: 0–55 °C (Avoid freezing or condensation)

Ambient Humidity: 10–90 % (with no condensation)

Overvoltage Category II

Pollution Degree 2

• Temperature CODE

CJ1W-PA205C T4

CJ1W-PA202, PD025 T4A

### ● Electric ratings

• CJ1W-PA205C

Source: 100–240 V ac (85% to 110%), 50/60 Hz, 100 VA

POWER OUTPUT: Total 25W, 24V dc 1Amax and 5V dc 5Amax

ALARM OUTPUT (open collector output): 30V dc max, 50 mA.

• CJ1W-PA202

Source: 100–240 V ac (85% to 110%), 50/60 Hz, 50 VA

POWER OUTPUT: Total 14W, 24V dc 0.4Amax and 5Vdc 2.8Amax

• CJ1W-PD025

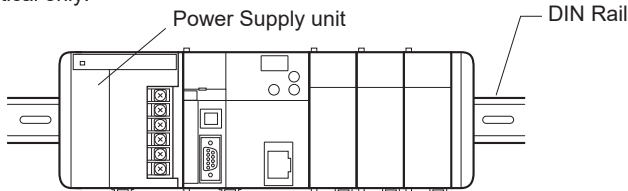
The external power supplies must be DC power supplies that satisfy the SELV requirements.

Source: 24 V dc (80% to 120%), 50 W

POWER OUTPUT: Total 25W, 24V dc 0.8Amax and 5V dc 5Amax

### ● Directions for installation

Vertical only.



### ● Overcurrent protection

Use 30 A max. 250 Vac min. Branch Circuit (Cartridge) type fuse to protect the supply circuit for CJ1W-PA205C and CJ1W-PA202.

### ● Cable for power supply terminal



Please select the cable by which rated temperature is 80°C or above.

### ● Cleaning

Do not use paint thinner or similar chemical to clean with. Use a dry cloth.

### ● Enclosure type

Please use this product in a control panel.  
Enclosure type: Type 1 or more.

### ● Marking



: Functional Earth Terminal



: Protective Earth Terminal

### ● Wiring for the Field Wiring Terminals

Do not use crimp terminals for field wiring.

Do not insert more than one wire in one terminal.

Tightening torque of the terminals: 7 Lb In. (0.8 Nm)

Wire range: AWG 20 to 14 Solid/Strand

ALARM OUTPUT: AWG 28 to 18 Solid/Strand, Strip length 7-10 mm

Wire Type: Use Copper Conductors Only

### ● Compliance with Class I Division 2 Hazardous Location:

Input and output wiring must be in suitable for use in Class I, Division. 2, Groups A, B, C, D or Non-Hazardous Locations Only.

1. This equipment is suitable for use in Class I, Div. 2, Groups A, B, C, D or Non-Hazardous Locations Only.

2. WARNING - Explosion Hazard - Do not disconnect equipment unless power has been switched off or the area is known to be Non-Hazardous.

3. This device is open-type and is required to be installed in an enclosure suitable for the environment and can only be accessed with the use of a tool or key.

1. Cet équipement convient à l'utilisation dans des emplacements de Classe I, Division 2, Groupes A, B, C, D, ou ne convient qu'à l'utilisation dans des endroits non dangereux.

2. AVERTISSEMENT: Risque d'explosion - Avant de débrancher l'équipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux.

3. Ce dispositif est de type ouvert et doit être installé dans un coffret adapté à l'environnement et auquel on ne pourra accéder uniquement au moyen d'un outil ou d'une clé.

## Conformance to EMC Regulations

This product is an industrial electrical device that is incorporated into various types of machines and manufacturing equipment. The product conforms to the relevant standards so that machines and equipment incorporating the OMRON products can comply with EMC Regulations more easily.

Refer to the OMRON website ([www.ia.omron.com](http://www.ia.omron.com)) or ask your OMRON representative for the most recent standards to which our products conform.

To ensure that your machine or equipment complies with EMC regulations, please observe the following precautions.

- This product is defined as an in-panel device and must be installed within a control panel.
- This product complies with the emission standards. For the radiated emission requirements, in particular, please note that the actual emission varies depending on the configuration of the control panel to be used, the connected devices, and wiring methods. Therefore, customers themselves must confirm that the entire machine or equipment conforms to EMC regulations, even you are using a device that conforms to EMC regulations.

Caution:

This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

## Conformance to KC Standard

### 사 용 자 안 내 문

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

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**Note:** Specifications subject to change without notice.  
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