OMRON

Precaution for Compliance with UL Standards and CSA Standards

 2149287-0B

Notice to Users of SYSMAC CJ2M Series CPU Units in the USA and Canada

Please use the following installation information instead of the general information in the instruction manuals in order to use the product under certified conditions of UL and CSA when the products are installed in the USA or Canada. These conditions are required by NFPA 70, National Electrical Code in the USA and the Canadian Electrical Code, Part I in Canada and may vary from information given in the product manuals or safety precautions.

- **Environment**
  Rated surrounding air temperature: 55°C

- **The Connection Cables for RS-232C port (CJ2M-CPU1*, CP1W-CIF01)**
  Use one of the following Connection Cables (sold separately) to connect to the other module.

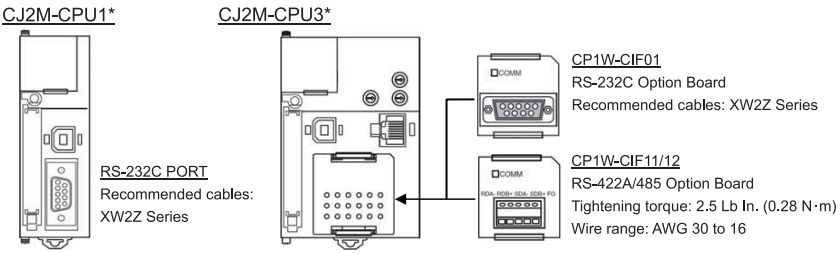
  ・To NT-AL001 or CJ1W-CIF11(RS-232C/RS-422 Link Adapter)
  XW2Z-070T-1 (0.7m)
  XW2Z-200T-1 (2m)

  ・To Programmable Terminal
  XW2Z-200T (2m)
  XW2Z-500T (5m)

  ・To IBM PC/AT or Compatible
  XW2Z-200S-CV (2m)
  XW2Z-500S-CV (5m)

  These cables are Internal Wiring Only.
  Segregate cables from live parts and all other wiring by minimum 6.4 mm (1/4 inch).

  Note;
  Pin 6 of the RS-232C port outputs +5 VDC. Do not use it for anything other than the NT-AL001 or CJ1W-CIF11 Adapter.



- **Compliance with Class I Division 2 Hazardous Location:**

Input and output wiring must be in accordance with Class I, Div. 2 wiring methods and in accordance with the authority having jurisdiction.

1. This equipment is suitable for use in Class I, Div.2, Group A, B, C, D or Non-Hazardous Locations Only.
2. WARNING: Explosion Hazard-Substitution of Components may Impair Suitability for Class I, Div.2.
3. WARNING: Explosion Hazard. Do not Disconnect Equipment Unless Power Has Been Switched off or the Area Is Known to Be Non-Hazardous.
4. 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 equipement convient a l'utilisation dans des emplacements de Classe I, Division 2, Groupes A, B, C, D, ou ne convient qu'a l'utilisation dans des endroits non dangereux.
2. AVERTISSEMENT - Risque d'explosion - La substitution de composants peut rendre ce materiel inacceptable pour les emplacements de Classe I, Division 2
3. AVERTISSEMENT - Risque d'explosion - Avant de debrancher l'equipement, couper le courant ou s'assurer que l'emplacement est designe non dangereux.
4. Ce dispositif est de type ouvert et doit etre installe dans un coffret adapte a l'environnement et auquel on ne pourra acceder uniquement au moyen d'un outil ou d'une cle.

Conformance to EC Directives

- This product is EMC-compliant when assembled in complete PLC system of the PLC series which type-name shows. To ensure the EC directive conformance of customer's machinery or equipment in which the product is incorporated, be sure to observe the following precautions.

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

  2. Reinforced insulation or double insulation must be used for the DC power supply connected to the DC power supply unit, communications unit, and I/O unit.

  3. This product complies with the common emission standard (EN61000-6-4) with regard to EMI. For the radiated emission requirement (10-m regulations), in particular, please note that the actual emission varies depending on the configuration of the control panel to be used connecting device and wiring. Therefore, the customer must confirm the EC Directive conformance of the overall machinery or equipment by themselves, even if this EC conforming product is used.

- This is a class A product. In residential areas it may cause radio interference, in which case the user may be required to take adequate measures to reduce interference.

- Be sure to ground the GR terminal of the power supply unit using the wire of $2mm^2$ or more. (ground resistance of 100Ω or less)

- In a place where a large noise occurs, be sure to ground the LR and GR terminals of the power supply unit. (ground resistance of 100Ω or less)

- The length of the grounding wire must be 20m or less. When using the expansion rack, be sure to ground it along with the CPU rack at one point.

- If the relay output is opened or closed 5 times or more per minute, the EN61000-6-4 standard requirements may not be satisfied. Countermeasures for this depend on the load machine, wiring and the configuration of machines being used. To meet the requirements, take measures to reduce noise by using a capacitor, resistor, diode or others externally.

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EC指令への適合について

- この商品は PLC システムに組み込まれた状態で、EC 指令に適合しています。しかし、お客様の機械・装置を EC 指令に適合させるにあたり、以下の注意が必要です。

  1. この商品は、盤内蔵型として定義されるため、必ず制御盤内に設置してください。

  2. DC 電源ユニット、通信ユニット、I/O ユニットに接続する DC 電源は、強化絶縁、または二重絶縁されたものを使用してください。

  3. この商品は、EMI に関して共通エミッション規格 (EN61000-6-4) に適合していますが、特に Radiated emission (10m 法) に関しては、ご使用になる制御盤の構成、接続される他の機器との関係、配線により変化することがあります。したがって、EC 指令適合品であるこの商品をご使用の場合でも、お客様にて機械・装置全体で EC 指令適合性を確認・対応していただく必要があります。

- この商品は「class A」(工業環境商品)です。住宅環境でご利用されると、電波妨害の原因となる可能性があります。その場合には電波妨害に対する適切な対策が必要になります。

- 電源ユニットの GR は接地端子で専用の設置線 ($2mm^2$ 以上の電線) で D 種接地(接地抵抗 100Ω以下)をしてください。

- ノイズの大きい場所では、電源ユニットの LR 端子も GR 端子と共に D 種接地(接地抵抗 100Ω以下)をしてください。

- 接地の距離は 20m 以内にしてください。また、I/O 増設機器を使用する場合、CPU 装置とともに 1 点で接地ください。

- 1 分間に 5 回以上リレー出力にて開閉すると、EN61000-6-4 を満足しない場合があります。対策方法はご使用の負荷装置、配線、機械の構成等により異なります。その場合、外部で CR やダイオードなどにて、ノイズの軽減をお願いします。