

INSTRUCTION SHEET

OMRON

0675843-0C

Precaution for Compliance with UL Standards

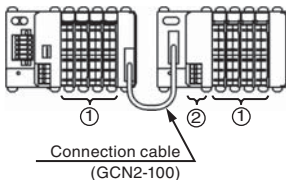
Notice to Users of the components in USA and Canada

Please follow the following installation instead of the general information in the instruction manuals in order to use the product by certified condition of UL and CSA when the products are installed in USA and Canada.

These conditions are according to the National Electrical Code in USA and the Canadian Electrical Code and may vary from information given in the product manuals or safety precautions.

● Wiring

- Do not use ferrule terminals. Insert the stranded or solid wire directly into the holes on the terminal block.
- Do not insert more than one wire in one location.
- Wire size is shown below.



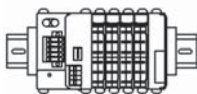
	①		②
Model	GRT1-PD02	Others	GRT1-TBL
Wire range	AWG 20 to 16	AWG 24 to 16	AWG 20 to 16
Strip length	10mm		
Type	Stranded or solid wire		

- Please select the wire size according to this table.

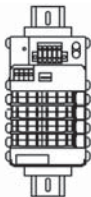
Wire size	26 AWG	24 AWG	22 AWG	20 AWG	18 AWG	16-12 AWG
Maximum ampere rating of protection	1 Amp	2 Amp	3 Amp	5 Amp	7 Amp	8 Amp

● Direction of installation

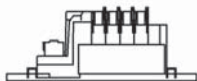
- The product can be installed in three directions as the figure below.



< Vertical >



< Left side up >



< Horizontal >

● DC Power Supply

Use the following DC Power Supply

- Unit Source: Isolated Source with external 8A over-current protection
- I/O Source: Isolated Source
- Communication Source: Isolated Source

● Environment

Model	GRT1-OD4G-1	Others
Surrounding Air Temp	55°C: 0.3A max/point 50°C: 0.5A max/point	55°C

INSTALLATION AND OPERATING INSTRUCTIONS

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 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 - La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2
3. AVERTISSEMENT - Risque d'explosion - Avant de débrancher l'équipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux.
4. 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 clef.