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SmartSlice CompoNet Communications Unit

The CompoNet-compliant unit can interface up to 256 inputs and 256 outputs at one node.

- Connects to up to 64 SmartSlice I/O Units.
- Concentrate I/O at one Slave: Up to 256 inputs and 256 outputs.
- Mix different I/O types at one Slave to help save space.
- Just set the node address for easy startup.
- Replace SmartSlice I/O Units online while continuing communications, minimizing system downtime.
- Smart function provided to monitor operating status, facilitating preventive maintenance and increasing operating rates.
- Register dummy SmartSlice I/O to reduce design work for future expansions.

Ordering Information



Name	Specifications	Model
CompoNet Communications Unit	Connects to up 64 SmartSlice I/O Units (Inputs: 32 bytes maximum, Outputs: 32 bytes maximum)	GRT1-CRT

Specifications

Item Model	GRT1-DRT				
Network power supply voltage	14 to 26.4 V DC				
Unit power supply voltage	20.4 to 26.4 V DC (24 V +10%/-15%)				
I/O power supply voltage	20.4 to 26.4 V DC (See note 1.) (24 V +10%/-15%)				
Noise immunity	Conforms to IEC 61000-4-4, 2 kV (power line)				
Vibration resistance+	Isistance+ 10 to 60 Hz, 0.7-mm double amplitude 60 to 150 Hz: 50 m/s ²				
Shock resistance	150 m/s ²				
Dielectric strength	500 V AC between isolated circuits				
Insulation resistance	20 MΩ min. between isolated circuits				
Ambient operating temperature	-10 to 55°C (with no icing or condensation)				
Ambient operating humidity	25% to 85%				
Ambient operating environment	No corrosive gases				
Ambient storage temperature	-25 to 65°C (with no icing or condensation)				
Mounting method	35-mm DIN track mounting				

Note: For power supply input to the Slice I/O Units.

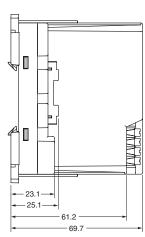
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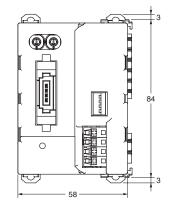
Specifications of the CompoNet Communications Unit

Item	Specification			
I/O points	Inputs: 32 bytes maximum (including status and areas which the Unit does not use) Output: 32 bytes maximum (including areas which the Unit does not use)			
Maximum number of SmartSlice I/O Units	64 (Do not count the End Unit.)			
Status area	1 word (This word shows the status of the CompoNet Communications Unit.)			
Parameter backup and restore	You can back up or restore a maximum of 2 KB of data for one CompoNet Communications Unit.			
Baud rate	The CompoNet Communications Unit uses the baud rate of the CompoNet Master Unit (93. 75 kbps, 1.5 Mbps, 3 Mbps, or 4 Mbps).			
Communications media	You can use these cables: Round Cable I (JIS C 3306, VCTF 2-core 0.75-mm ² twisted-pair cable) Round Cable II (JIS C 3306, VCTF 4-core 0.75-mm ² twisted-pair cable) Flat Cable I (without sheath, DCA4-4F10) Note: The Round Cable I, Round Cable II and Flat Cable I are different types of cable. You must use a Repeater to divide a branch line from the main line to use more than one type of cable.			
Indicators	MS (green/red): This indicator shows the status of the CompoNet Communications Unit. NS (green/red): This indicator shows the communications status of the CompoNet network. TS (green/red): This indicator shows the status of the SmartSlice I/O Terminal. UNIT PWR (green): This indicator shows the status of the Unit power supply. I/O PWR (green): This indicator shows the status of the I/O power supply.			
Switches	Rotary switches: There are two rotary switches. You use them to set the node address. DIP switch: There is one DIP switch with four pins. You use them to set the operating mode.			
Connectors	There is one CompoNet communications connector.			
Terminals	Clamp terminals for Unit power supply (24 VDC) Clamp terminals for I/O power supply (24 VDC)			
Power consumption	2.5 W			
Power consumption for each SmartSlice I/O Terminal block	80 W max. (You must divide the I/O Terminal into blocks to use more than 80 W.)			
SmartSlice I/O Terminal blocks	Main block and a maximum of two expansion blocks			
Current consumption for I/ O power supply	4 A max.			
Weight	137 g			
Accessories	None			

Dimensions

GRT1-CRT





(Unit: mm)

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SmartSlice Ordering Information

CompoNet Communication Unit Image: Size bytes maximum, Output: 32 bytes maxima output: 32		Name	Appearance	Specifications	Model
Silee I/O Units 4 inputs PNP 6 ftr1-104-1 4 outputs NPN 6 ftr1-104-1 4 outputs NPN 6 ftr1-104-1 6 inputs PNP 6 ftr1-104-1 8 inputs NPN 6 ftr1-104-1 6 ftr1-104-1 6 ftr1-112 6 ftr1-11	CompoNet Communication Unit				GRT1-CRT
Silee I/O Units 4 inputs PNP GRT1-ID4-1 4 outputs NPN GRT1-ID4-1 4 outputs NPN GRT1-ID4-1 6 inputs PNP GRT1-ID6-1 8 inputs PNP GRT1-ID6-1 8 inputs PNP GRT1-ID6-1 8 inputs PNP GRT1-ID6-1 8 outputs Outputs GRT1-ID6-1 8 outputs Outputs GRT1-ID6-1 8 outputs Outputs GRT1-ID6-1 8 outputs Current) GRT1-ID6-1 9 Outputs GRT1-ID6-1 9 Outputs GRT1-ID6-1 9 Outputs GRT1-ID6-1 1 Temperature input (Resistance thermome				4 inputs NPN	GRT1-ID4
Slice I/O Units 4 odputs NPN 6RT1-004-1 8 inputs NPN 6RT1-004-1 8 outputs PNP 6RT1-004-1 8 outputs PNP 6RT1-004-1 8 outputs PNP 6RT1-024 Aralog inputs (current/voltage) 6RT1-024-1 Analog output (current/voltage) 6RT1-022 Analog output (voltage) 6RT1-022 Temperature input 6RT1-752PC Temperature input 6RT1-752PC Temperature input 6RT1-022 Temperature input 6RT1-752PC Temperature input 6RT1-752PC Temperature input 6RT1-752PC Temperature input 6RT1-752PC Temeraterinput (Resistance thermometer.P1000) 2 points					
Site I/O Units 4 outputs PNP GRT1-004-1 B inputs NPN GRT1-10B B inputs NPN GRT1-10DB B outputs PNP GRT1-10DB Analog I/O Units GRT1-10DE Analog inputs (current/voltage) GRT1-502 Analog output (voltage) GRT1-502 Temperature input (Resistance thermometer.PT100) 2 points GRT1-522 Temperature input (Resistance thermometer.PT100) 2 points GRT1-752 Temperature input (Resistance thermometer.PT100) 2 points GRT1-752 Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-752 Turnback Units Informatic Unit (Mounts to the left side of Slice I/O Terminal) GRT1-751 Counter Units		Digital I/O Units			GRT1-OD4
Silce I/O Units Binputs PNP GRT1-I06-1 Boutputs NPN GRT1-008 GRT1-008 Boutputs PNP GRT1-008-1 GRT1-008-1 Boutputs PNP GRT1-028-1 GRT1-028-1 Analog Unputs Quiputs 2 points GRT1-028-1 GRT1-028-1 Analog outputs (current/voltage) GRT1-022 GRT1-028-1 Analog output (voltage) GRT1-028-1 GRT1-028-1 Temperature input (Resistance thermometer:P1100) 2 points GRT1-TS2PK Temperature input (Resistance thermometer:P1100) 2 points GRT1-TS2PK Counter Units Imperature input (Resistance thermometer:P1100) 2 points GRT1-TS2PK Turnback Units Imperature input (Resistance thermometer:P1100) 2 points GRT1-TS2PK GRT1-CT1-1 Counter inputs: 1. External outputs: 1 NPN GRT1-CT1-1 System Units Imperature input (Mounts to the infit side of Slice I/O Terminal GRT1-TS2PK <td></td> <td></td> <td>GRT1-OD4-1</td>					GRT1-OD4-1
Site I/O Units B outputs NPN GRT1-008-1 A clopuits PNP GRT1-008-1 Relay Outputs 2 points GRT1-028-1 A clopuit 4 points GRT1-028-1 Analog I/O Units A nalog inputs (current/voltage) GRT1-028-1 Analog u/O Units Analog outputs (current/voltage) GRT1-022 Temperature Input GRT1-022 Counter Units GRT1-022 Counter Units GRT1-022 Turnback Units Letternal outputs: 1, External outputs: 1 NPN GRT1-02 GRT1-02 GRT1-02 GRT1-02 System Units Intraback Cable <				8 inputs NPN	GRT1-ID8
Silce I/O Units Silce I/O Units 8 outputs PNP GRT1-008-1 Relay Outputs 2 points GRT1-R052 AC Input 4 points GRT1-144-1 Analog I/O Units GRT1-144-2 Analog U/O Units Analog inputs (current/voltage) GRT1-D02 Analog outputs (current) GRT1-D22 Temperature Input (Resistance Thermometers) Temperature Input (Resistance thermometer-P1100) 2 points GRT1-T52P Temperature Input (Resistance Thermometers) Counter inputs: 1, External outputs: 1 NPN GRT1-T52P Temperature Input (Resistance Thermometers) Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Fight Turnback Unit (Mounts to the right side of Slice I/O GRT1-T52 Turnback Cable 1m GRT1-PD2 Turnback Cable 1m GRT1-PD2 I/O Power Feed Unit Im GRT1-PD2 I/O Power Feed Unit Im GRT1-PD2 GRT1-PD8-1 GRT1-PD8-1 GRT1-PD8-1 GRT1-PD8-1 GRT1-PD8-1 GRT1-PD8-1				8 inputs PNP	GRT1-ID8-1
Beam Relay Outputs 2 points GRT1-ROS2 Ac Input 4 points GRT1-IA4-1 GRT1-IA4-1 GRT1-IA4-2 GRT1-IA4-2 GRT1-IA4-2 Analog I/O Units Analog inputs (current/voltage) GRT1-IA2 Analog u/D Units Analog outputs (current) GRT1-IA2 Analog u/D Units Analog outputs (current) GRT1-IA2 Temperature input (Resistance thermometer.P1100) 2 points GRT1-TS2P Temperature input (Resistance thermometer.P1100) 2 points GRT1-TS2P Temperature input (Resistance thermometer.P1100) 2 points GRT1-TS2P Counter Units Gutter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-TS2P Turmback Units Right Turnback Unit (Mounts to the right side of Slice I/O Terminal.) GRT1-TBR Turnback Cable				8 outputs NPN	GRT1-OD8
Slice I/O Units AC Input 4 points GRT1-1A-1 (RT1-1A-2) Analog I/O Units Analog inputs (current/voltage) GRT1-AD2 Analog U/O Units Analog outputs (current) GRT1-D2C Analog output (voltage) GRT1-D2C GRT1-D2C Analog output (voltage) GRT1-D2C GRT1-D2C Temperature input (Resistance thermometer:P1100) 2 points GRT1-TS2P Temperature input (Resistance thermometer:P11000) 2 points GRT1-TS2P Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter inputs: 1, External outputs: 1 NPN GRT1-T1-10 Furnback Unit Premiser of Volt (Mounts to the right side of Slice I/O GRT1-T1-10 System Units Turnback Cable 1 m GCN2-100 UP Power Feed Unit Image when the total current consumption of the I/O Power Supply GRT1-PD2- GRT1-PD2- GRT1-PD2- GRT1-PD2- GRT1-PD2- GRT1-PD2-1 GRT1-PD2- GRT1-PD2-1 Use to add V/G terminals for I/O power supply. GRT1-PC8-1 GRT1-PC8-1				8 outputs PNP	GRT1-OD8-1
Slice I/O Units AC Input 4 points GRT1-144-2 Analog I/O Units Analog inputs (current/voltage) GRT1-AD2 Analog outputs (current) Analog outputs (current) GRT1-DA2C Analog output (voltage) GRT1-DA2C GRT1-DA2C Temperature Input (Resistance Thermometers) Temperature input (Resistance thermometer:P100) 2 points GRT1-TS2P Temperature Input (Resistance Thermometers) Temperature input (Resistance thermometer:P1000) 2 points GRT1-TS2P Temperature Units Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-CT1-1 Counter Units Flight Tumback Unit (Mounts to the right side of Slice I/O Terminal.) GRT1-TSP Turnback Units It Turbback Unit (Mounts to the left side of Slice I/O Terminal.) GRT1-PD2 System Units Turnback Cable Im GCN2-100 Vo Power Feed Unit Use when the total current consumption of the I/O Power Supply a separate system, exceeds 4 A, or to make the I/O Power Supply a separate system, GRT1-PD2-1 GRT1-PD2-1 Vo Power Feed Unit Use to add V/G terminals for I/O power supply. GRT1-PD3-1 Vo Power Feed Unit Im <td></td> <td></td> <td rowspan="2"></td> <td>Relay Outputs 2 points</td> <td>GRT1-ROS2</td>				Relay Outputs 2 points	GRT1-ROS2
Slice I/O Units Image I/O Units Image I/O Units Analog i/O Units Analog i/O Units Analog i/O Units Analog uputs (current/voltage) GRT1-AD2 Analog U/O Units Image I/O Units Image I/O Units GRT1-DD2 GRT1-DD2 Temperature Input (Resistance Thermometers) Image I/O Units GRT1-TS2PK GRT1-TS2PK Temperature Input (Resistance Thermometers) Image I/O Units GRT1-TS2PK GRT1-TS2PK Temperature Units Image I/O Units Image I/O Units GRT1-TS2PK Counter Units Image I/O Units Image I/O Units GRT1-TS2PK Counter Units Image I/O Units Image I/O Units GRT1-TS2PK Counter Units Image I/O Units Image I/O Units GRT1-TS2PK Counter Units Image I/O Units Image I/O Units GRT1-TS2 Image I/O Units Image I/O Units Image I/O Units GRT1-CT1 Image I/O Units Image I/O Units Image I/O Units GRT1-TS2 Image I/O Units Image I/O Units Image I/O Units GRT1-CT1 Image I/O Units Image I/O Units					GRT1-IA4-1
Image with the set of				AC Input 4 points	GRT1-IA4-2
Image: space	Slice I/O Units			Analog inputs (current/voltage)	GRT1-AD2
Image: stand		Analog I/O Units		Analog outputs (current)	GRT1-DA2C
Temperature input (Resistance Thermometers) Image: Temperature input (Resistance thermometer:Pt1000) 2 points GRT1-TS2PK Thermocouple input 2 points GRT1-TS2T GRT1-TS2T Counter Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Turnback Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-TBR Image: Counter Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-TBR Image: Counter Units Image: Counter Units (Mounts to the right side of Slice I/O GRT1-TBR Image: Counter Units Image: Counter U/O Units.) GRT1-TBL Image: Counter Units Image: Counter U/O Units.) GRT1-DD2 Image: Counter Units Image: Counter U/O Units.) GRT1-PD2 Image: Counter Units Image: Counter U/O Power Supply a separate system GRT1-PD2 Image: Counter Units Image: Counter U/O Power Supply. GRT1-PD2 Image: Counter Units Image: Counter U/O Power Supply. GRT1-PD2 Image: Counter Units				Analog output (voltage)	GRT1-DA2V
(Resistance Thermometers) Image: Input (Resistance Input (Resinternation))))				Temperature input (Resistance thermometer:Pt100) 2 points	GRT1-TS2P
Counter Units Counter inputs: 1, External outputs: 1 NPN GRT1-CT1 Counter Units Image: Counter inputs: 1, External outputs: 1 NPN GRT1-CT1-1 Counter inputs: 1, External outputs: 1 PNP GRT1-CT1-1 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-CT1-1 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBR Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBR Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBR Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBR Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBL Image: Counter inputs: 1, External outputs: 1 PNP GRT1-TBL Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP GRT1-PD2 Image: Counter inputs: 1, External outputs: 1 PNP <t< td=""><td></td><td></td><td>Temperature input (Resistance thermometer:Pt1000) 2 points</td><td>GRT1-TS2PK</td></t<>				Temperature input (Resistance thermometer:Pt1000) 2 points	GRT1-TS2PK
Counter Units Image: Counter Inits Image: Counter Inits <th counter="" inits<="" td=""><td></td><td></td><td>Thermocouple Input 2 points</td><td>GRT1-TS2T</td></th>	<td></td> <td></td> <td>Thermocouple Input 2 points</td> <td>GRT1-TS2T</td>				Thermocouple Input 2 points
Image: constraint of the section of		Counter Units		Counter inputs: 1, External outputs: 1 NPN	GRT1-CT1
Image: Normal information in the initial information information in the initial information in the initial information in the initial information in the initial initial information in the initial ini				Counter inputs: 1, External outputs: 1 PNP	GRT1-CT1-1
Note Image: System Units Ima		Turnback Units			GRT1-TBR
System Units I/O Power Feed Unit I/O Power Feed Unit Use when the total current consumption of the I/O Power Supply a separate system. GRT1-PD2G GRT1-PD8-1 GRT1-PD8-1 Use to add V/G terminals for I/O power supply. GRT1-PC8 GRT1-PC8-1 GRT1-PC8-1					GRT1-TBL
System Units I/O Power Feed Unit Use when the total current consumption of the I/O Power Supply a separate system. GRT1-PD2G I/O Power Feed Unit Use when the total current consumption of the I/O Power Supply a separate system. GRT1-PD8 I/O Power Feed Unit Use to add V/G terminals for I/O power supply. GRT1-PD8-1 I/O Power Feed Unit GRT1-PC8 GRT1-PC8-1		Turnback Cable		1 m	GCN2-100
I/O Power Feed Unit I/O Power Feed Unit I/O Power Guest Content Consumption of the I/O Power Supply a separate system. GRT1-PD8 I/O Power Feed Unit I/O Power Supply I/O Power Supply GRT1-PD8-1 I/O Power Feed Unit I/O Power Supply I/O Power Supply GRT1-PD8-1 I/O Power Supply I/O Power Supply I/O Power Supply GRT1-PD8-1 I/O Power Supply I/O Power Supply I/O Power Supply GRT1-PC8 I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply I/O Power Supply	System Units	I/O Power Feed Unit			GRT1-PD2
I/O Power Feed Unit I/O Power Feed Unit I/O Power Feed Unit Use to add V/G terminals for I/O power supply. GRT1-PC8 GRT1-PC8-1					GRT1-PD2G
GRT1-PD8-1 Use to add V/G terminals for I/O power supply. GRT1-PC8 GRT1-PC8-1 GRT1-PC8-1			5	exceeds 4 A, or to make the I/O Power Supply a separate system.	GRT1-PD8
Use to add V/G terminals for I/O power supply. GRT1-PC8-1 GRT1-PC8-1			4		GRT1-PD8-1
GRT1-PC8-1				Use to add V/G terminals for I/O power supply.	
End Unit *1 Necessary for terminating the Slice I/O Terminal. GRT1-END					GRT1-PC8-1
		End Unit *1		Necessary for terminating the Slice I/O Terminal.	GRT1-END
Option Terminal Block Package of 5 Terminal Blocks GRT1-BT1-5	Option	Terminal Block		Package of 5 Terminal Blocks	GRT1-BT1-5

*1 The End Unit is sold separately. It is not provided with the Communications Unit. *2 Use the GCN2-100 together with the GCN1-TBR or GCN1-TBL.

Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranty and Limitations of Liability

WARRANTY

OMRON's exclusive warranty is that the products are free from defects in materials and workmanship for a period of one year (or other period if specified) from date of sale by OMRON.

OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR PARTICULAR PURPOSE OF THE PRODUCTS. ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. OMRON DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

LIMITATIONS OF LIABILITY

OMRON SHALL NOT BE RESPONSIBLE FOR SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED ON CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.

In no event shall the responsibility of OMRON for any act exceed the individual price of the product on which liability is asserted.

IN NO EVENT SHALL OMRON BE RESPONSIBLE FOR WARRANTY, REPAIR, OR OTHER CLAIMS REGARDING THE PRODUCTS UNLESS OMRON'S ANALYSIS CONFIRMS THAT THE PRODUCTS WERE PROPERLY HANDLED, STORED, INSTALLED, AND MAINTAINED AND NOT SUBJECT TO CONTAMINATION, ABUSE, MISUSE, OR INAPPROPRIATE MODIFICATION OR REPAIR.

Application Considerations

SUITABILITY FOR USE

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of products in the customer's application or use of the products.

At the customer's request, OMRON will provide applicable third party certification documents identifying ratings and limitations of use that apply to the products. This information by itself is not sufficient for a complete determination of the suitability of the products in combination with the end product, machine, system, or other application or use.

The following are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all possible uses of the products, nor is it intended to imply that the uses listed may be suitable for the products:

- · Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- · Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

PROGRAMMABLE PRODUCTS

OMRON shall not be responsible for the user's programming of a programmable product, or any consequence thereof.

Disclaimers

CHANGE IN SPECIFICATIONS

Product specifications and accessories may be changed at any time based on improvements and other reasons.

It is our practice to change model numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the products may be changed without any notice. When in doubt, special model numbers may be assigned to fix or establish key specifications for your application on your request. Please consult with your OMRON representative at any time to confirm actual specifications of purchased products.

DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

PERFORMANCE DATA

Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of OMRON's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to the OMRON Warranty and Limitations of Liability.

ERRORS AND OMISSIONS

The information in this document has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical, or proofreading errors, or omissions.

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