## **G3R-I/O**

CSM\_G3R-I/O\_DS\_E\_5\_5

#### **SSR with Plug-in Terminals**

## The Same Shape as the G2R-1-S Power Relays

- Reduces wiring work by 60% when combined with the P2RF-05-PU Push-In Plus Socket (according to actual OMRON measurements).
- These I/O solid state relays can be mounted in OMRON G70A I/O Terminals.
- Lineup includes Input Modules for microloads and Output Modules for standard loads.
- Certified by UL, CSA, and EN (TÜV certification) (-UTU models)

RoHS Compliant



Note: The socket is optional.

Refer to the standards certifications and compliance section of your OMRON website for the latest information on certified models.



Refer to Safety Precautions for All Solid State Relays.

### **Ordering Information**

#### **List of Models**

#### **Input Modules for Microloads**

Insulation method	Operation indicator	Response speed	Applicable load	Input rated voltage	Scheduled to be no longer available to order after March 2023	Recommended Replacement/ certified for safety standard products	
				100 to 240 VAC	G3R-IAZR1SN AC100-240	G3R-IAZR1SN-UTU AC100-240	
		Lligh anged		5 VDC	G3R-IDZR1SN DC5	G3R-IDZR1SN-UTU DC5	
Photocoupler	Yes	High-speed	4 to 32 VDC 0.1 to 100 mA	12 to 24 VDC	G3R-IDZR1SN DC12-24	G3R-IDZR1SN-UTU DC5 G3R-IDZR1SN-UTU DC12-24	
		Low-speed 5 VDC G3R-IDZR1SN-1 DC5 G3R-IE	G3R-IDZR1SN-1-UTU DC5				
				12 to 24 VDC	G3R-IDZR1SN-1 DC12-24	G3R-IDZR1SN-1-UTU DC12-24	

#### **Output Modules for Standard Loads**

Insulation method	Operation indicator	Zero cross function	Applicable load	Input rated voltage	Scheduled to be no longer available to order after March 2023	Recommended Replacement/ certified for safety standard products	
Phototriac		Yes	2 A at 100 to 240 VAC		G3R-OA202SZN DC5-24	G3R-OA202SZN-UTU DC5-24	
Filototilac	Yes No	No	2 A at 100 to 240 VAC	5 to 24 VDC	G3R-OA202SLN DC5-24	G3R-OA202SLN-UTU DC5-24	
Photocoupler		162	2 A at	2 A at 5 to 48 VDC	3 10 24 VDC	G3R-ODX02SN DC5-24	G3R-ODX02SN-UTU DC5-24
Photocoupler			1.5 A at 48 to 200 VDC		G3R-OD201SN DC5-24	G3R-OD201SN-UTU DC5-24	

## Accessories (Order Separately) Connection Sockets

Classification	Terminal type	Appearance	Model
	Screw terminals		P2RFZ-05
Front-mounting	Sciew terminals		P2RF-05
	Screw terminals (finger protection structure)	W. and Arm	P2RFZ-05-E
	Push-In Plus terminal blocks		P2RF-05-PU
Back-mounting	Relays with PCB Terminals		P2R-05P
	nelays will FOB Tellillials		P2R-057P
	Solder terminals		P2R-05A

## For Push-In Plus Terminal Block Sockets Short Bars

Applicable sockets	Pitch	Application	Shape/external dimensions	Number of poles	L (Length)	Insulation color	Short Bars Model*1
		Bridging Output	3.90	2	15.1		PYDN-7.75-020□
	7.75 mm			3	22.85		PYDN-7.75-030□
P2RF-05-PU —	7.75 111111	terminals	2.25	4	30.6		PYDN-7.75-040□
				20	154.6	Red (R) Blue (S)	PYDN-7.75-200□
	15.5 mm	Input terminals	115.85	8	115.55	Yellow(Y)	PYDN-15.5-080□

<sup>\*1.</sup> Replace the box ( $\square$ ) in the model number with the code for the covering color.  $\square$ Color selection: R = Red, S = Blue, Y = Yellow

#### Labels

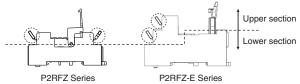
Applicable sockets	Model	
P2RF-05-PU	XW5Z-P4.0LB1	
F 2111 -03-F 0	(1 sheet/60 pieces)	

#### **For Screw Terminal Sockets**

#### **Short Bars**

Applicable sockets	Pitch	Appearance	Dimensions (mm)	Number of poles	Insulation color	Short Bars Model	Maximum carry current	Minimum order (set)
P2RFZ-05-E	15.7 mm	**********	2.9 15.7-6:1 15.4 max. 152.7 max. 2.5 max.	10	Blue(S)	P2DN-15.7-100S	20 A	1
P2RFZ-05	19.4 mm	****	3.4 19.4-0.1 10.7 8.7 max. 16.2 max. 2.5 max.	10	Blue(S)	P2DN-19.4-100S	20 A	1

- **Note: 1.** Select an applicable type of short bars by checking applicable socket type, appearance, and dimensions.
  - 2. Use the Short Bars for crossover wiring within one Socket or between Sockets.
  - 3. Cannot be used on the P2RF-05.
  - 4. Use the short bars on the lower section of the socket. When using the short bars on the upper section of the socket, insert them so that their heads are pointed upwards (see the figure below). Otherwise, short bars may interfere with the socket, leading to improper wiring and contact failure.



\*One set (order unit) contains 10 short bars and 20 caps.

## Accessories for Short Bars (P2DN) Cap

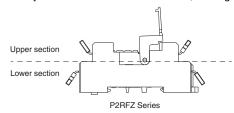
Short Bars Models	Appearance	Dimensions (mm)	Model
P2DN-19.4-100S P2DN-15.7-100S		4 max.	P2DN-CP100

#### For Screw Terminal Sockets (P2RFZ-05)

#### **Terminal covers**

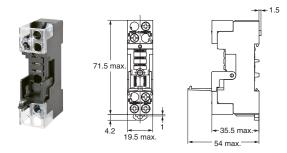
Applicable sockets	Appearance	Model	Minimum order (set)
P2RFZ-05		P2CZ-C	

- Note: 1. These covers cannot be used for P2RF-05.
  - 2. Use these covers in a combination with P2RFZ-05.
  - 3. Do not install short bars (optional) on the upper section (see the figure below). Short bars may interfere with the terminal cover, making the terminal cover unusable.



#### **Dimensions with terminal cover**

#### P2RFZ-05



#### Labels

Applicable sockets	Model	Minimum order (sheet) (quantity per sheet)
P2RFZ-05-E	XW5Z-P2.5LB1	5 1 sheet (72 pieces)

Note: This label cannot be applied on sockets other than P2RFZ-05-E.

#### **DIN Track Mounting Parts**

Classification	Туре		Appearance	Model
		Shallow type, total length: 1 m		PFP-100N
	DIN Tracks	Shallow type, total length: 0.5 m		PFP-50N
For front-mounting		Deep type, total length: 1 m		PFP-100N2
	End Plate		5	PFP-M
	Spacer			PFP-S
For back-mounting	Mounting Plates for Sockets * (For 5 Sockets)			P2R-P

### **Ratings and Specifications**

#### **Ratings**

#### **Input Modules for Microloads**

#### **Input Side**

Model It	em	Rated voltage	Operating volt- age	Input current	Must-operate voltage	Must-release voltage
G3R-IAZR1SN (-UTU	J)	100 to 240 VAC	60 to 264 VAC	15 mA max.	60 VAC max.	20 VAC min.
G3R-IDZR1SN (-UTU	J)	5 VDC	4 to 6 VDC		4 VDC max.	1 VDC min.
G3R-IDZR1SN (-UTU	J)	12 to 24 VDC	6.6 to 32 VDC	8 mA max.	6.6 VDC max.	3.6 VDC min.
G3R-IDZR1SN-1 (-U7	TU)	5 VDC	4 to 6 VDC	o ma max.	4 VDC max.	1 VDC min.
G3R-IDZR1SN-1 (-U7	TU)	12 to 24 VDC	6.6 to 32 VDC		6.6 VDC max.	3.6 VDC min.

#### **Output Side**

Model Item	Load voltage	Load current
G3R-IAZR1SN (-UTU)		
G3R-IDZR1SN (-UTU)		
G3R-IDZR1SN (-UTU)	4 to 32 VDC	0.1 to 100 mA
G3R-IDZR1SN-1 (-UTU)		
G3R-IDZR1SN-1 (-UTU)		

#### **Output Modules for Standard Loads**

#### **Input Side**

Model Ite	m	Rated voltage	Operating volt- age	Input current	Must-operate voltage	Must-release voltage
G3R-OA202SZN (-UT				15 mA max.	4 VDC max.	1 VDC min.
G3R-OA202SLN (-UT	U)	5 to 24 VDC	4 to 32 VDC	(at 25° C)		
G3R-ODX02SN (-UTU	)	3 to 24 VDC		8mA max.		
G3R-OD201SN (-UTU	)			oma max.		

#### **Output Side**

Model Item	Load voltage	Load current*1	Surge withstand current	
G3R-OA202SZN (-UTU)	75 to 264 VAC	0.05 to 2 A*2	30 A (60 Hz, 1 cycle)	
G3R-OA202SLN (-UTU)	70 10 20 1 7710	0.00 to 271	00 / (00 1 12, 1 0 y 0 10 )	
G3R-ODX02SN (-UTU)	4 to 60 VDC	0.01 to 2 A*2	8 A (10 ms)	
G3R-OD201SN (-UTU)	40 to 200 VDC	0.01 to 1.5 A*2	8 A (10 ms)	

<sup>\*1.</sup> Depends on the ambient temperature. Refer to the reference data Load Current vs. Ambient Temperature Rating on page 6 for details.

#### I/O External Display

Lineup includes Input Modules and Output Modules.

The I/O Module classification and AC/DC classification are also indicated in the markings on top of the Relay.

Marking	Specifications		
AC IN	Input Modules for Microloads, AC input		
DC IN	Input Modules for Microloads, DC input		
AC OUT	Output Modules for Standard Loads, AC output		
DC OUT	Output Modules for Standard Loads, DC output		

Marking on top of the Relay



**<sup>\*2.</sup>** The minimum current value is for a temperature of 10°C or higher.

#### **Characteristics**

#### **Input Modules for Microloads**

Model Item	G3R-IAZR1SN (-UTU)	G3R-IDZR1SN (-UTU)	G3R-IDZR1SN-1 (-UTU)			
Operation time	20 ms max.	0.1 ms max.	15 ms max.			
Release time	20 ms max.					
Response frequency	10 Hz	1 kHz	10 Hz			
Output ON voltage drop	1.6 V max.					
Leakage current	5 μA max.	5 µA max.				
Insulation resistance	100 M $\Omega$ min. between I/O					
Dielectric strength	4,000 VAC for 1 min. between I/O					
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude (1.5-mm double amplitude)					
Shock resistance	1,000 m/s²					
Storage temperature	-30 to 100°C (with no icing)					
Ambient operating temperature	−30 to 80°C (with no icing)					
Ambient operating humidity	45% to 85% RH					
Weight	Approx. 18 g					

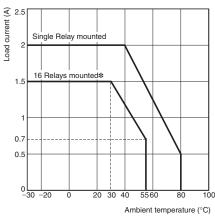
#### **Output Modules for Standard Loads**

Model Item	G3R-OA202SZN (-UTU)	G3R-OA202SLN (-UTU)	G3R-ODX02SN (-UTU)	G3R-OD201SN (-UTU)		
Operation time	1/2 load power supply cycle + 1 ms max.	1 ms max.				
Release time	1/2 load power supply cycle + 1 ms n	1/2 load power supply cycle + 1 ms max. 2 ms max.				
Response frequency	20 Hz	20 Hz 100 Hz		2		
Output ON voltage drop	1.6 V max.			2.5 V max.		
Leakage current	1.5 mA max.		1 mA max.			
Insulation resistance	100 MΩ min. between I/O	100 M $\Omega$ min. between I/O				
Dielectric strength	4,000 VAC for 1 min. between I/O	4,000 VAC for 1 min. between I/O				
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude (1.5-mm double amplitude)					
Shock resistance	1,000 m/s <sup>2</sup>					
Storage temperature	−30 to 100°C (with no icing)					
Ambient operating temperature	−30 to 80°C (with no icing)					
Ambient operating humidity	45% to 85% RH					
Weight	Approx. 18 g					

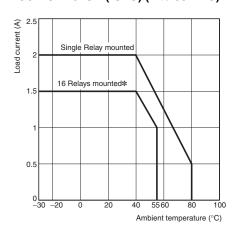
#### **Engineering Data**

#### **Load Current vs. Ambient Temperature Rating**

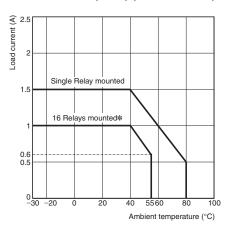
#### G3R-OA202S□N (-UTU)



#### G3R-ODX02SN (-UTU) (4 to 60 VDC)

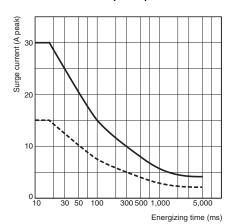


#### G3R-OD201SN (-UTU) (40 to 200 VDC)

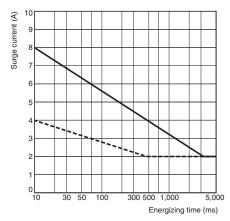


#### Non-repetitive Surge Withstand Current (If repetitive, keep the inrush current below the dotted line.)

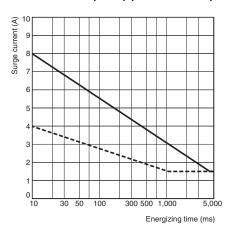
#### G3R-OA202S□N (-UTU)



#### G3R-ODX02SN (-UTU) (4 to 60 VDC)



#### G3R-OD201SN (-UTU) (40 to 200 VDC)

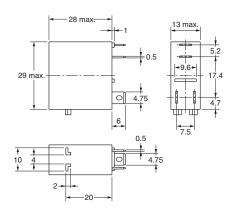


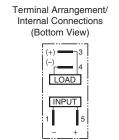
<sup>\*</sup> On G70A-ZOC16, fully mounted.

**Dimensions** (Unit: mm)

#### Relay G3R-I/O







The information in parentheses in for a DC output.

**Note:** The load can be connected to either the positive or negative terminals.

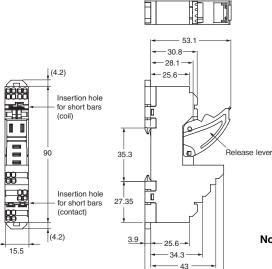
## **Accessories (Order Separately) Socket Characteristics**

Model	Continuous carry current	Dielectric strength	Insulation resistance *	Remarks
DODE OF DU	10.4	Between contact terminals of same polarity: 1,000 VAC for 1 min	1 000 MO min	
P2RF-05-PU	10 A	Between coil and contact terminals: 4,000 VAC for 1 min	$-$ 1,000 M $\Omega$ min.	
DODEZ 05/ 5)	40.4	Between contact terminals of same polarity: 1,000 VAC for 1 min	4 000 MOi	
P2RFZ-05(-E)	10 A	Between coil and contact terminals: 4,000 VAC for 1 min	1,000 MΩ min.	
P2RF-05	10.4	Between contact terminals of same polarity: 1,000 VAC for 1 min	1 000 MO min	
	10 A	Between coil and contact terminals: 4,000 VAC for 1 min	$-$ 1,000 M $\Omega$ min.	
	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min	1.000.140	
P2R-05P		Between coil and contact terminals: 4,000 VAC for 1 min	$-$ 1,000 M $\Omega$ min.	
P2R-057P	10 A	Between contact terminals of same polarity: 1,000 VAC for 1 min	1 000 140	
		Between coil and contact terminals: 5,000 VAC for 1 min	$-$ 1,000 M $\Omega$ min.	
P2R-05A		Between contact terminals of same polarity: 1,000 VAC for 1 min		
	10 A	Between ground terminals: 1,500 VAC for 1 min	1,000 MΩ min.	
		Between coil and contact terminals: 4,000 VAC for 1 min		

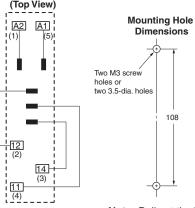
<sup>\*</sup>The insulation resistance was measured with a 500-VDC insulation resistance meter at the same places as those used for measuring the dielectric strength.

#### **Track/Surface Mounting Sockets** P2RF-05-PU





Terminal Arrangement/
Internal Connection Diagram (Top View)



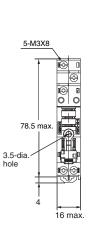
Note: 1. The numbers in parentheses are traditionally used terminal numbers.

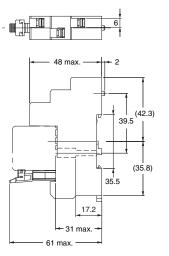
2. Insert the short bar into only the A1 or A2 side.

Note: Pull out the hooks to mount the Socket with screws.

#### P2RFZ-05-E

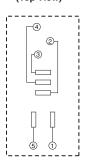




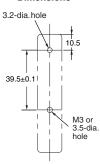


52.1

**Terminal Arrangement/ Internal Connection Diagram** (Top View)

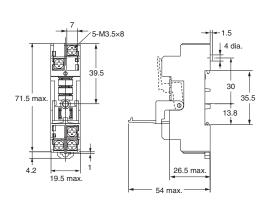


Mounting Hole Dimensions

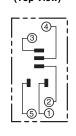


**P2RFZ-05** 

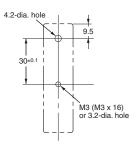


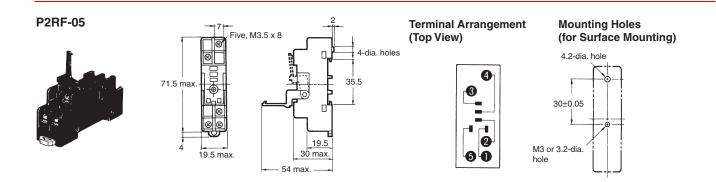


Terminal Arrangement/ Internal Connection Diagram (Top View)

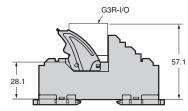


Mounting Hole Dimensions

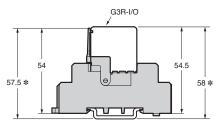




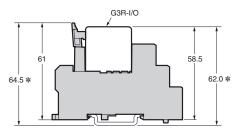
## Mounting Height of Relay with Track/Surface Mounting Sockets P2RF-05-PU



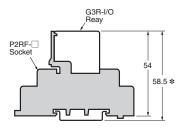
#### P2RFZ-05



#### P2RFZ-05-E



#### P2RF-05

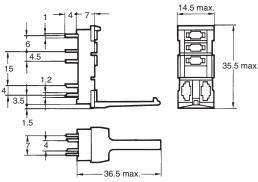


\*These are values when using the DIN track PFP- $\square$ N. Heights become higher by approximately 9 mm when using PFP- $\square$ N2.

#### **Back-connecting Sockets**

#### P2R-05P (1-pole)

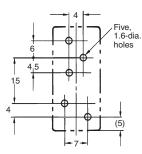




**Terminal Arrangement** (Bottom View)

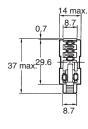


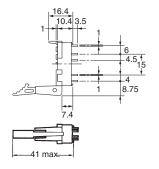
Mounting Holes (Bottom View)



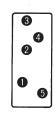
P2R-057P (1-pole)



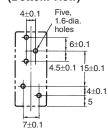




Terminal Arrangement (Bottom View)

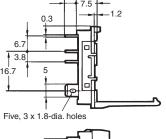


Mounting Holes (Bottom View)



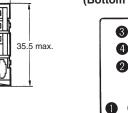
P2R-05A (1-pole)



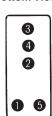




14.5 max 35.5 max.



Terminal Arrangement (Bottom View)

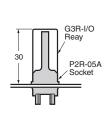


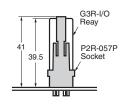
Panel Cutout (Bottom View)



Mounting Height of Relay with Back-connecting Sockets P2R-05P P2R-05-A P2R-057P

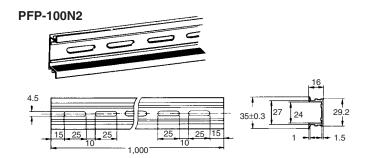
G3R-I/O Reay P2R-05P Socket





#### **Mounting Tracks**

# PFP-100N, PFP-50N 7.3±0.15 15 25 25 25 15 (5) 1



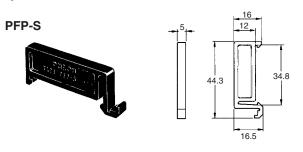
It is recommended to use a panel 1.6 to 2.0 mm thick.

1,000 (500)

#### **End Plate**

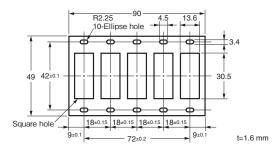
# PFP-M 10 6.2 1,8 35.5 35.3 35.5 35.3 1.8 4.8 head screw

#### Spacer



#### **Mounting Plate**

#### P2R-P



#### **Safety Precautions**

Be sure to read 'the Common Precautions' in the website at the following URL: http://www.ia.omron.com/.

Refer to Safety Precautions for All Solid State Relays of your OMRON website.

Refer to Products Related to Common Sockets and DIN Tracks for precautions on the applicable Sockets of your OMRON website. Refer to PYF-\( \subseteq \subse

Precautions for Correct Use Supplementary comments on what to do or avoid doing to prevent failure to operate, malfunction, or undesirable effects on product performance.

#### **Precautions for Correct Use**

#### **About the Built-in Diodes**

The diodes that are built into the Relays are designed to absorb reverse voltage from the Relay's coil. If a large surge in voltage is applied to the diode from an external source, the element will be destroyed.

If there is the possibility of large voltage surges that could be applied to the elements from an external source, take any necessary surge absorption measures.

#### **Latching Levers**

- Turn OFF the power supply when operating the latching lever.
   After you use the latching lever always return it to its original state.
- Do not use the latching lever as a switch.
- The latching lever can be used for 100 operations minimum.

#### **Relay Replacement**

To replace the Relay, turn OFF the power supply to the load and Relay coil sides to prevent unintended operation and possible electrical shock.

#### Coil tape color

Pink tape is used for the AC coil type and blue tape is used for the DC coil type, making it easy to distinguish AC and DC.

#### Using a short-circuit bar

- Use the short-circuit bar that is suitable for the socket you are using and the location of use.
- The short-circuit bar can be cut to match any number of poles. Cut with a tool as appropriate for the number of relays and sockets.
   When using a cut short-circuit bar, take care to avoid injuring yourself on the cut surface.
- When cutting with a tool, insert the tool from the plastic part and cut
  along the slot in the plastic part between terminals. If you cut a part
  other than the slot in the plastic part between terminals, it may not
  be possible to attach the insulating cap.



When using a cut short-circuit bar (P2DN), always use the provided cap to protect the charger part.



- Use the short-circuit bar to short-circuit two or more output terminals, or two or more input terminals.
- Do not use a deformed short-circuit bar. Risk of failure, malfunctioning, or deterioration of characteristics.
- In socket terminals, insert the short-circuit bar in the correct orientation all the way into all terminals, and then secure with screws.
- · Install the short -circuit bar before wiring.

#### Common connection method when using a short bar

When connecting the P2RF- $\square$ -PU input common, insert the short bar into only the A1 or A2 side.

## **Equivalent Labels from Other Companies and Recommended Label Printers**

Use the following label printer.

The following table gives the manufacturer's model number as of March 2017.

Manufacturer	Omron	Phoenix Contact	Weidmuller	Cembre
Label	XW5Z-P4.0LB1	UCT-TM6	MF 10/6	MG-CPM-04 41391
	XW5Z-P2.5LB2	UCT-TMF5		
Label printer	*	BLUEMARK CLED, THERMOMA RK CARD SET PLUS, THERMOMA RK CARD	PrintJet ADVCANCED, Plotter MCP Plus, Plotter MCP Basic	Markingenius MG3

\*When using a printing tool, use a Phoenix Contact label printer.

Note: Ask the label manufacturer or printer manufacturer for details.

#### Terms and Conditions Agreement

#### 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.

#### Warranties.

- (a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.
- (b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE

PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses 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. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warrantv.

See <a href="http://www.omron.com/global/">http://www.omron.com/global/</a> or contact your Omron representative for published information.

#### Limitation on Liability; Etc.

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

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

#### Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

#### Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

#### Performance Data.

Data presented in Omron Company websites, catalogs and other materials 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 user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

#### 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 part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions. Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

2021.11

In the interest of product improvement, specifications are subject to change without notice.

