General-purpose Relay

Slim and Space-saving Power Plug-in Relay

- Lockable test button models now available.
- Built-in mechanical operation indicator.
- Provided with nameplate.
- AC type is equipped with a coil-disconnection selfdiagnostic function (LED type).
- High switching power (1-pole: 10 A).
- Environment-friendly (Cd, Pb free).
- Wide range of Sockets also available.
- RoHS Compliant.

Model Number Structure

Model Number Legend



- 1. Relay Function Blank:General-purpose
- 2. Number of Poles
 - 1: 1 pole
 - 2: 2 poles
- 3. Contact Form Blank:SPDT
- 4. Contact Type Blank:Single

5. Terminals

- S: Plug-in
- 6. Classification
- Blank:General-purpose
- N: LED indicator
- D: Diode
- ND: LED indicator and diode
- NI: LED indicator with test button
- NDI: LED indicator and diode with test button
- 7. Rated Coil Voltage

Ordering Information

■ List of Models

Classification		Enclosure	Coil ratings	Contact form/Model	
		rating		SPDT	DPDT
Plug-in terminal	General-purpose	Unsealed	AC/DC	G2R-1-S	G2R-2-S
	LED indicator		G2R-1-SN	G2R-2-SN	
	LED indicator with test button			G2R-1-SNI	G2R-2-SNI
	Diode		DC	G2R-1-SD	G2R-2-SD
	LED indicator and diode	1		G2R-1-SND	G2R-2-SND
	LED indicator and diode with test button			G2R-1-SNDI	G2R-2-SNDI

Note: When ordering, add the rated coil voltage and "(S)" to the model number. Rated coil voltages are given in the coil ratings table. Example: G2R-1-S DC12 (S) — New model

Rated coil voltage



■ Accessories (Order Separately)

Connecting Sockets

Applicable Relay model	Track/surface-mounting Socket		Back-mounting Socket	
	Screwless clamp terminal	Screw terminal	Terminals	Model
1 pole	 P2RF-05S (See note.) 	• P2RF-05-E	PCB terminals	P2R-05P, P2R-057P
G2R-1-S(N)(D)(ND)(NI)(NDI)	+ (P2CM-S (option))	• P2RF-05	Solder terminals	P2R-05A
2 poles	 P2RF-08S (See note.) 	• P2RF-08-E	PCB terminals	P2R-08P, P2R-087P
G2R-2-S(N)(D)(ND)(NI)(NDI)	+ (P2CM-S (option))	• P2RF-08	Solder terminals	P2R-08A

Note: Use of the P2CM Clip & Release Lever is recommended to ensure stable mounting.

Accessories for Screwless Clamp Terminal Socket (Option)

Name	Model
Clip & Release Lever	P2CM-S
Nameplate	R99-11 Nameplate for MY
Socket Bridge	P2RM-SR (for AC), P2RM-SB (for DC)

Mounting Tracks

Applicable Socket	De	escription	Model
Mounting track and accessories	Mounting track		PFP-50N PFP-100N PFP-100N2
	End plate		PFP-M
	Spacer		PFP-S
Mounting plate	Back-connecting S	ockets	P2R-P*

*Used to mount several P2R-05A and P2R-08A Connecting Sockets side by side.

Specifications

■ Coil Ratings

Ra	ted voltage	Rated	current*	Coil resistance*			Must operate voltage	Must release voltage	Max. voltage	Power consumption (approx.)
		50 Hz	60 Hz		Armature OFF	Armature ON	% of rated voltage			
AC	24 V	43.5 mA	37.4 mA	253 Ω	0.81	1.55	80% max.	30% min.	110%	0.9 VA at 60 Hz
	110 V	9.5 mA	8.2 mA	5,566 Ω	13.33	26.83				
	120 V	8.6 mA	7.5 mA	7,286 Ω	16.13	32.46				
	230 V	4.4 mA	3.8 mA	27,172 Ω	72.68	143.90				
	240 V	3.7 mA	3.2 mA	30,360 Ω	90.58	182.34				

Ra	Rated voltage Rated current*		Coil resistance*		ctance (H) value)	Must operate voltage	Must release voltage	Max. voltage	Power consumption (approx.)
				Armature OFF	Armature ON	% of rated voltage			
DC	6 V	87.0 mA	69 Ω	0.25	0.48	70% max.	15% min.	110%	0.53 W
	12 V	43.2 mA	278 Ω	0.98	2.35				
	24 V	21.6 mA	1,113 Ω	3.60	8.25	1			
	48 V	11.4 mA	4,220 Ω	15.2	29.82				

* The rated current and coil resistance are measured at a coil temperature of 23° C with tolerances of ±10%.

■ Contact Ratings

Number of poles	1 pole		2 poles	
Load	Resistive load $(\cos\phi = 1)$			Inductive load $(\cos\phi = 0.4; L/R = 7 ms)$
Rated load	10 A at 250 VAC; 10 A at 30 VDC	7.5 A at 250 VAC; 5 A at 30 VDC	5 A at 250 VAC; 5 A at 30 VDC	2 A at 250 VAC; 3 A at 30 VDC
Rated carry current	10 A	10 A		
Max. switching voltage	440 VAC, 125 VDC		380 VAC, 125 VDC	
Max. switching current	10 A		5 A	
Max. switching capacity	2,500 VA, 300 W	1,875 VA, 150 W	1,250 VA, 150 W	500 VA, 90 W
Minimum permissible load	100 mA at 5 VDC		10 mA at 5 VDC	

Note: P level: $\lambda_{60} = 0.1 \times 10^{-6}$ /operation

■ Characteristics

ltem		1 pole	2 poles		
Contact resistance	100 m Ω max.				
Operate (set) time	15 ms max.				
Release (reset) time		x.; DC: 5 ms max. le: 20 ms max.)	AC: 15 ms max.; DC: 10 ms max. (w/built-in diode: 20 ms max.)		
Max. operating frequency	Mechanical: Electrical:				
Insulation resistance	1,000 M Ω min.	(at 500 VDC)			
Dielectric strength	contacts*;	/60 Hz for 1 min between coil and /60 Hz for 1 min between contacts of	5,000 VAC, 50/60 Hz for 1 min between coil and contacts*; 3,000 VAC, 50/60 Hz for 1 min between contacts of different polarity 1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity		
Vibration resistance	Destruction: Malfunction:		amplitude (1.5 mm double amplitude) amplitude (1.5 mm double amplitude)		
Shock resistance	Destruction: Malfunction:	1,000 m/s ² 200 m/s ² when energized; 100 m/s	² when not energized		
Service life	Mechanical: Electrical:	DC coil: 20,000,000 operations min. (at 18,000 operations/hr)			
Ambient temperature	Operating:	$-40^{\circ}C$ to $70^{\circ}C$ (with no icing or co	ndensation)		
Ambient humidity	Operating:	5% to 85%			
Weight	Approx. 21 g				

Note: Values in the above table are the initial values.

*4,000 VAC, 50/60 Hz for 1 minute when the P2R-05A or P2R-08A Socket is used.

■ Approved Standards UL 508 (File No. E41643)

Model	Contact form	Coil ratings	Contact ratings	Opera- tions
G2R-1-S	SPDT	5 to 110 VDC 5 to 240 VAC	10 A, 30 VDC (resistive) 10 A, 250 VAC (general use) TV-3 (NO contact only)	6 x 10³
G2R-2-S	DPDT		5 A, 30 VDC (resistive) 5 A, 250 VAC (general use) TV-3 (NO contact only)	6 x 10 ³

<u>CSA 22.2 No.0, No.14</u> (File No. LR31928)

Model	Contact form	Coil ratings	Contact ratings	Opera- tions
G2R-1-S	SPDT		10 A, 30 VDC (resistive) 10 A, 250 VAC (general use) TV-3 (NO contact only)	6 x 10 ³
G2R-2-S	DPDT		5 A, 30 VDC (resistive) 5 A, 250 VAC (general use) TV-3 (NO contact only)	6 x 10 ³

IEC/VDE (EN61810)

Contact form	Coil ratings	Contact ratings	Operations
1 pole	6, 12, 24, 48 VDC 24, 110, 120, 230, 240 VAC	5 A, 440 VAC (cos	100 x 10 ³
2 poles	6, 12, 24, 48 VDC 24, 110, 120, 230, 240 VAC	5 A, 250 VAC (cos¢ =1.0) 5 A, 30 VDC (0 ms)	100 x 10 ³

<u>LR</u>

Number of poles	Coil ratings	Contact ratings	Operations
1 pole	5 to 110 VDC 5 to 240 VDC	10 A, 250 VAC (general use) 7.5 A, 250 VAC (PF0.4) 10 A, 30 VDC (resistive) 5A, 30VDC (L/R=7ms)	100 x 10 ³
2 poles	5 to 110 VDC 5 to 240 VDC	5 A, 250 VAC (general use) 2 A, 250 VAC (PF0.4) 5 A, 30 VDC (resistive) 3A, 30VDC (L/R=7ms)	100 x 10 ³

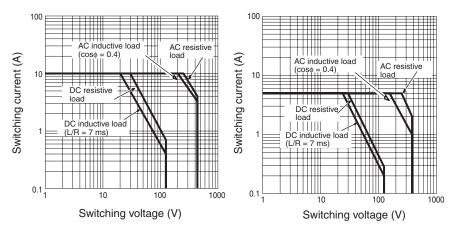
Engineering Data

Maximum Switching Capacity

Plug-in Relays

G2R-1-S

G2R-2-S

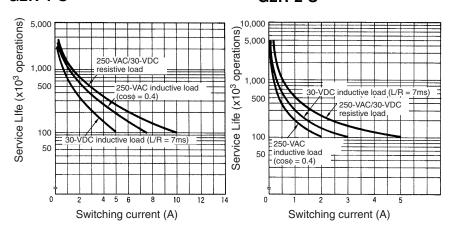


Electrical Service Life

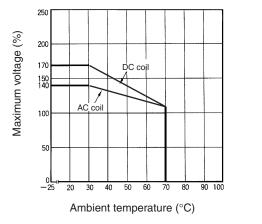
<u> Plug-in Relays</u>

G2R-1-S

G2R-2-S



Ambient Temperature vs. Maximum Coil Voltage



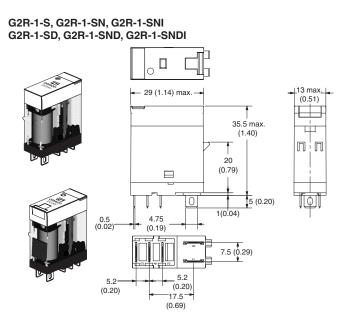
Note: The maximum voltage refers to the maximum value in a varying range of operating power voltage, not a continuous voltage.

Dimensions

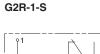
Unit: mm (inch)

■ Relays with Plug-in Terminals

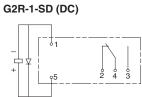
SPDT Relays



Terminal Arrangement/Internal Connections (Bottom View)

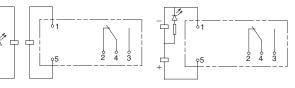


۶5

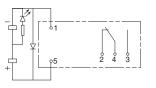


G2R-1-SN, G2R-1-SNI (AC) G2

G2R-1-SN, G2R-1-SNI (DC)



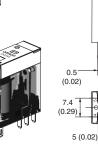
G2R-1-SND, G2R-1-SNDI (DC)

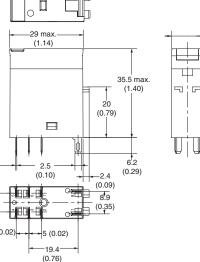


DPDT Relays

G2R-2-S, G2R-2-SN, G2R-2-SNI G2R-2-SD, G2R-2-SND, G2R-2-SNDI





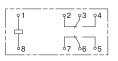


Terminal Arrangement/Internal Connections (Bottom View)

G2R-2-S

13 max

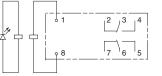
(0.51)



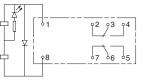
G2R-2-SD (DC)



G2R-2-SN, G2R-2-SNI (AC)



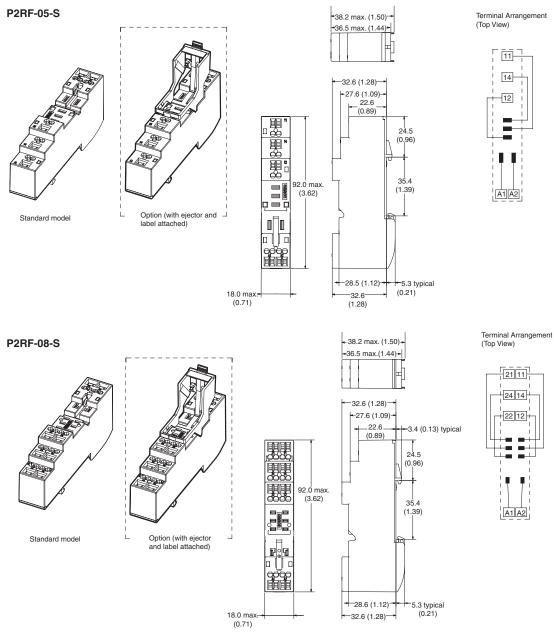
G2R-2-SND, G2R-2-SNDI (DC)





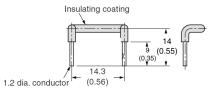


Track/Surface Mounting Sockets



Accessories for P2RF-□-S

Socket Bridge

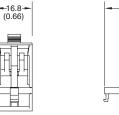


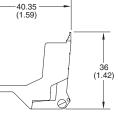
Note: The color of insulating coating indicates power type.

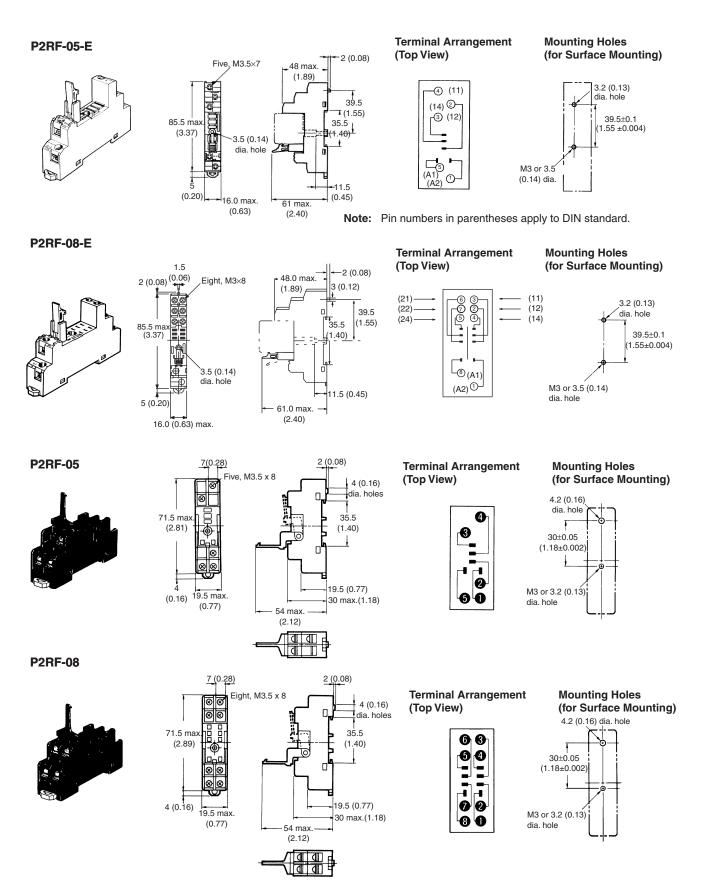
Model	Power	Color
P2RM-SR	AC	Red
P2RM-SB	DC	Blue

Clip and Release Lever

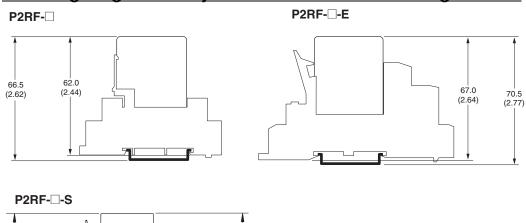


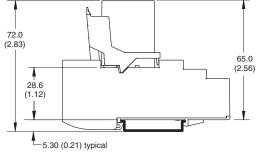




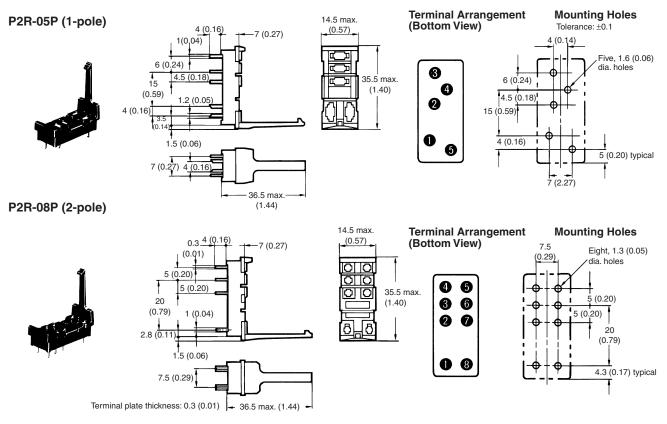


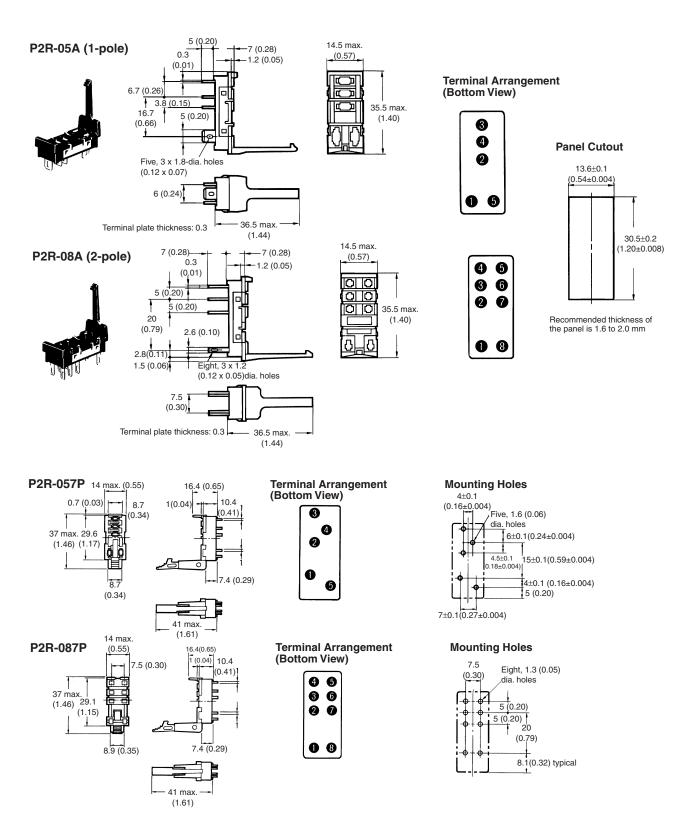
Mounting Height of Relay with Track/Surface Mounting Sockets





Back-connecting Sockets





16 (0.63)

(1.15)

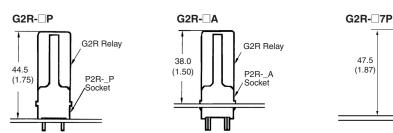
-1.5 (0.06

35±0.3 (1.38±0.01) 27

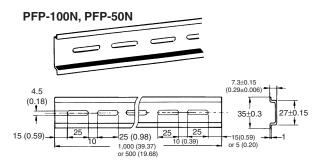
1.06)

1 (0.04)

Mounting Height of Relay with Back-connecting Sockets

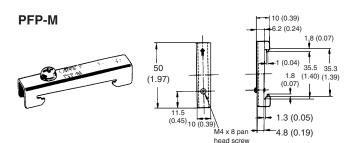


Mounting Tracks



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

End Plate



~

25

25 (0.98)

1.000

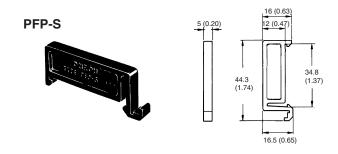
(39.37)

PFP-100N2

4.5 (0.18)

15 (0.59)

Spacer



25

Precautions

— 🕂 Caution

Do not use the test button for any purpose other than testing. Be sure not to touch the test button accidentally as this will turn the contacts ON. Before using the test button, confirm that circuits, the load, and any other connected item will operate safely.

— 🕂 Caution -

Check that the test button is released before turning ON relay circuits.

— 🕂 Caution

If the test button is pulled out too forcefully, it may bypass the momentary testing position and go straight into the locked position.

— 🕂 Caution

Use an insulated tool when you operate the test button.

Precautions for P2RF-D-S Connection

- Do not move the screwdriver up, down, or from side to side while it is inserted in the hole. Doing so may cause damage to internal components (e.g., deformation of the clamp spring or cracks in the housing) or cause deterioration of insulation.
- Do not insert the screwdriver at an angle. Doing so may break the side of the socket and result in a short-circuit.

Omron Electronic Components, LLC

Terms and Conditions of Sales

I. GENERAL

- Definitions: The words used herein are defined as follows.
- Terms: These terms and conditions (a)
- Ìb) Seller: Omron Electronic Components LLC and its subsidiaries
- The buyer of Products, including any end user in section III through VI Products and/or services of Seller Buyer: (c)
- Products: (d)
- Including without limitation Including: (e)
- Offer: Acceptance: These Terms are deemed part of all quotations, acknowledgments, 2 invoices, purchase orders and other documents, whether electronic or in writing, relating to the sale of Products by Seller. Seller hereby objects to any Terms proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms
- 3. Distributor: Any distributor shall inform its customer of the contents after and including section III of these Terms.

II. SALES

- Prices: Payment: All prices stated are current, subject to change without notice by Seller. 1. Buyer agrees to pay the price in effect at time of shipment. Payments for Products received are due net 30 days unless otherwise stated in the invoice. Buyer shall have no right to set off any amounts against the amount owing in respect of this invoice.
- 2. Discounts: Cash discounts, if any, will apply only on the net amount of invoices sent to Buyer after deducting transportation charges, taxes and duties, and will be allowed only if (a) the invoice is paid according to Seller's payment terms and (b) Buyer has no past due amounts owing to Seller.
- Interest: Seller, at its option, may charge Buyer 1.5% interest per month or the maximum 3 <u>legal</u> rate, whichever is less, on any balance not paid within the stated terms. <u>Orders</u>: Seller will accept no order less than 200 U.S. dollars net billing. <u>Currencies</u>: If the prices quoted herein are in a currency other than U.S. dollars, Buyer
- 5 shall make remittance to Seller at the then current exchange rate most favorable to Seller; provided that if remittance is not made when due, Buyer will convert the amount to U.S. dollars at the then current exchange rate most favorable to Seller available during the period between the due date and the date remittance is actually made.
- Governmental Approvals: Buyer shall be responsible for all costs involved in obtaining 6 any government approvals regarding the importation or sale of the Products.
- Taxes: All taxes, duties and other governmental charges (other than general real property 7. and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Seller or required to be collected directly or indirectly by Seller for the manufacture, production, sale, delivery, importation, consumption or use of the Products sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Seller.
- Financial: If the financial position of Buyer at any time becomes unsatisfactory to Seller, 8 Seller reserves the right to stop shipments or require satisfactory security or payment in advance. If Buyer fails to make payment or otherwise comply with these Terms or any related agreement, Seller may (without liability and in addition to other remedies) cancel any unshipped portion of Products sold hereunder and stop any Products in transit until Buyer pays all amounts, including amounts payable hereunder, whether or not then due, which are owing to it by Buyer. Buyer shall in any event remain liable for all unpaid accounts
- Cancellation: Etc: Orders are not subject to rescheduling or cancellation unless Buyer 9 indemnifies Seller fully against all costs or expenses arising in connection therewith.
- Force Majeure: Seller shall not be liable for any delay or failure in delivery resulting from 10 causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
- 11. Shipping: Delivery: Unless otherwise expressly agreed in writing by Seller: (a) All sales and shipments of Products shall be FOB shipping point (unless otherwise stated in writing by Seller), at which point title to and all risk of loss of the Products shall pass from Seller to Buyer, provided that Seller shall retain a security interest in the Products until the full purchase price is paid by Buyer;
 - Delivery and shipping dates are estimates only; and
 - Seller will package Products as it deems proper for protection against normal (c)
- handling and extra charges apply to special conditions. 12. <u>Claims:</u> Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier must be presented in detail in writing to Seller within 30 days of receipt of shipment.

III. PRECAUTIONS

- Suitability: IT IS THE BUYER'S SOLE RESPONSSIBILITY TO ENSURE THAT ANY OMRON PRODUCT IS FIT AND SUFFICIENT FOR USE IN A MOTORIZED VEHICLE APPLICATION. BUYER SHALL BE SOLELY RESPONSIBLE FOR DETERMINING APPRICATION. BUTER SHALL BE SOLELY RESPONSIBLE FOR DE TERMINING APPROPRIATENESS OF THE PARTICULAR PRODUCT WITH RESPECT TO THE BUYER'S APPLICATION INCLUDING (A) ELECTRICAL OR ELECTRONIC COMPONENTS, (B) CIRCUITS, (C) SYSTEM ASSEMBLIES, (D) END PRODUCT, (E) SYSTEM, (F) MATERIALS OR SUBSTANCES OR (G) OPERATING ENVIRONMENT. Buyer acknowledges that it alone has determined that the Products will meet their requirements of the intended use in all cases. Buyer must know and observe all prohibitions of use applicable to the Product/s.
- Use with Attention: The followings are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all Possible use of any Product, nor to imply that any use listed may be suitable for any Product:
- Outdoor use, use involving potential chemical contamination or electrical (a) interference
- Use in consumer Products or any use in significant quantities. (b)

- (c) 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. Prohibited Use: NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING 3
- AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
- Motorized Vehicle Application: USE OF ANY PRODUCT/S FOR A MOTORIZED 4 VEHICLE APPLICATION MUST BE EXPRESSLY STATED IN THE SPECIFICATION BY SELLER.
- Programmable Products: Seller shall not be responsible for the Buyer's programming of a programmable Product

WARRANTY AND LIMITATION

- Warranty: Seller's exclusive warranty is that the Products will be free from defects in 1 materials and workmanship for a period of twelve months from the date of sale by Seller (or such other period expressed in writing by Seller). SELLER MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT ALL OTHER WARRANTIES, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS.
- 2. Buyer Remedy: Seller's sole obligation hereunder shall be to replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product or, at Seller's election, to repay or credit Buyer an amount equal to the purchase price of the Product; provided that there shall be no liability for Seller or its affiliates unless Seller's analysis confirms that the Products were 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 Seller before shipment. Limitation on Liability: SELLER AND ITS AFFILIATES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF 3. 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 SELLER OR ITS AFFILITATES EXCEED THE INDIVIDUAL PRICE OF THE PRODUCT ON WHICH LIABILITY IS ASSERTED.
- Indemnities: Buyer shall indemnify and hold harmless Seller, its affiliates and its employees from and against all liabilities, losses, claims, costs and expenses (including 4 attomey's fees and expenses) related to any claim, investigation, litigation or proceeding (whether or not Seller is a party) which arises or is alleged to arise from Buyer's acts or omissions under these Terms or in any way with respect to the Products.

V. INFORMATION; ETC.

- Intellectual Property: The intellectual property embodied in the Products is the exclusive property of Seller and its affiliates and Buyer shall not attempt to duplicate it in any way without the written permission of Seller. Buyer (at its own expense) shall indemnify and hold harmless Seller and defend or settle any action brought against Seller to the extent that it is based on a claim that any Product made to Buyer specifications infringed intellectual property rights of another party.
- 2 Property: Confidentiality: Notwithstanding any charges to Buyer for engineering or tooling, all engineering and tooling shall remain the exclusive property of Seller. All information and materials supplied by Seller to Buyer relating to the Products are confidential and proprietary, and Buyer shall limit distribution thereof to its trusted employees and strictly prevent disclosure to any third party.
- Performance Data: Performance data is provided as a guide in determining suitability and does not constitute a warranty. It may represent the result of Seller's test conditions, and the users must correlate it to actual application requirements. 3.
- Change In Specifications: Product specifications and description may be changed at any 4 time based on improvements or other reasons. It is Seller's practice to change part numbers when published ratings or features are changed, or when significant engineering changes are made. However, some specifications of the Product may be changed without any notice.
- 5 Errors And Omissions: The information on Seller's website or in other documentation has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.
- Export Controls: Buyer shall comply with all applicable laws, regulations and licenses regarding (a) export of the Products or information provided by Seller; (b) sale of Products to forbidden or other proscribed persons or organizations; (c)disclosure to non-citizens of regulated technology or information.

VI. MISCELLANEOUS

- Waiver: No failure or delay by Seller in exercising any right and no course of dealing 1 between Buyer and Seller shall operate as a waiver of rights by Seller.
- Assignment: Buyer may not assign its rights hereunder without Seller's written consent. Law: These Terms are governed by Illinois law (without regard to conflict of laws). Federal
- and state courts in Illinois have exclusive jurisdiction for any dispute hereunder. 4 Amendment: These Terms constitute the entire agreement between Buyer and Seller relating to the Products, and no provision may be changed or waived unless in writing
- signed by the parties. Severability: If any provision hereof is rendered ineffective or invalid, such provision shall 5 not invalidate any other provision.

11

Certain Precautions on Specifications and Use

- Suitability for Use. Seller shall not be responsible for conformity with any stan-dards, codes or regulations which apply to the combination of the Product in Buyer's application or use of the Product. At Buyer's request, Seller will provide applicable third party certification documents identifying ratings and limi-tations 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 com-bination 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 but the following is a non
 - exhaustive list of applications for which particular attention must be given:
 (i) Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this document.
 - 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. (iii) Use in consumer products or any use in significant quantities.

 - (iv) Systems, machines and equipment that could present a risk to life or property. Please know and observe all prohibitions of use applicable to this

NEVER USE THE PRODUCT 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 PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

- <u>Programmable Products.</u> Seller shall not be responsible for the user's programming of a programmable product, or any consequence thereof. <u>Performance Data</u>. Performance data given in this publication is provided as 2. 3
- <u>Performance Data</u>. Performance data given in this publication is provided as a guide for the user in determining suitability and does not constitute a war-ranty. It may represent the result of Seller's test conditions, and the users must correlate it to actual application requirements. Actual performance is subject to Seller's Warranty and Limitations of Liability. <u>Change in Specifications</u>. 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 specifica-tions of the Product may be changed without any notice. When in doubt, spe-cial part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Seller representative at any time to confirm actual specifications of purchased Product.
- Errors and Omissions. The information in this publication has been carefully 5. checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors, or omissions.
- BoHS compliance. Where indicated, our products currently comply, to the best of our knowledge as of the date of this publication, with the requirements of the European Union's Directive on the Restriction of certain Hazardous Substances ("RoHS"), although the requirements of RoHS do not take effect until July 2006. These requirements may be subject to change. Please consult our working for current information. 6. our website for current information.

Complete "Terms and Conditions of Sale" for product purchase and use are on Omron's website at http://www.components.omron.com - under the "About Us" tab, in the Legal Matters section.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.



55 E. Commerce Drive, Suite B Schaumburg, IL 60173

OMRON ON-LINE

Global - http://www.omron.com USA - http://www.components.omron.com

847-882-2288

Cat. No. J01C-E-01

01/07

Specifications subject to change without notice

Printed in USA