OMRON

Tactile Switch

Miniature, Space-Saving Tactile Switch Provides Long Service Life and Easy Mounting

- Extended mechanical/electrical service life: 10 x 10⁶ operations for 12 x 12 mm type and 1 x 10⁶ operations for the 6 x 6 mm type
- Ideal for applications such as audio, office and communications equipment, measuring instruments, TVs, VCRs, etc.
- Taped radial type, vertical type and high force types are available as series versions
- Flux-tight base structure allows automatic soldering of the tactile switches onto a PC board
- Gold plated models available for increased contact reliability, resistance to corrosive gas and insulation fault prevention for ion migration in harsh environments

RoHS Compliant

Ordering Information

■ B3F-1 □ □ □, B3F-3 □ □ □

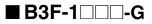
6 x 6 mm type

Туре	Plunger	Switch height x pitch	Operating force		Model		
					Without ground terminal	With ground terminal	
					Bags	Bags	
Standard	Flat	4.3 x 6.5 mm	General-purpose:	100 g	B3F-1000	B3F-1100	
				150 g	B3F-1002	B3F-1102	
			High-force:	260 g	B3F-1005	B3F-1105	
		5.0 x 6.5 mm	General-purpose:	100 g	B3F-1020	B3F-1120	
				150 g	B3F-1022	B3F-1122	
			High-force:	260 g	B3F-1025	B3F-1125	
		5.0 x 7.5 mm	General-purpose:	100 g	—	B3F-1110	
	Projected	7.3 x 6.5 mm	General-purpose:	100 g	B3F-1050	B3F-1150	
				150 g	B3F-1052	B3F-1152	
			High-force:	260 g	B3F-1055	B3F-1155	
/ertical	Flat	3.15 mm	General-purpose:	100 g	_	B3F-3100	
	2			150 g		B3F-3102	
			High-force:	260 g	_	B3F-3105	
		3.85 mm	General-purpose:	100 g	—	B3F-3120	
	8 gra			150 g	—	B3F-3122	
			High-force:	260 g	_	B3F-3125	
	Projected	6.15 mm	General-purpose:	100 g	—	B3F-3150	
			·	150 g	—	B3F-3152	
	T.		High-force:	260 g	_	B3F-3155	

Important Note: Switches cannot be water-washed.



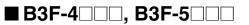
OMRON



6 x 6 mm type with Gold Plating

Туре	Plunger	Switch height x pitch	Form of shipment operating force	Model		
				Without ground terminal	With ground terminal	
				Bags (100 Switches)		
6 x 6 mm switches with gold plating	Flat	4.3 x 6.5 mm	176 g	B3F-1002-G	B3F-1102-G	
		5.0 x 6.5 mm		B3F-1022-G	B3F-1122-G	

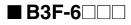
Note: The minimum order is 100 Switches. Order in multiples of the minimum order.



12 x 12 mm type

Туре	Plunger	Switch height x pitch	Operating force	Model		
				Without ground terminal	With ground terminal	
				Bags	Bags	
Standard	Flat	4.3 x 12.5 mm	General-purpose: 130 g	B3F-4000	B3F-4100	
			High-force: 260 g	B3F-4005	B3F-4105	
	Projected	7.3 x 12.5 mm	General-purpose: 130 (B3F-4050	B3F-4150	
	3		High-force: 260 (B3F-4055	B3F-4155	
Long service life	Flat	4.3 x 12.5 mm	General-purpose: 130 (B3F-5000	B3F-5100	
	Projected	7.3 x 12.5 mm		B3F-5050	B3F-5150	
High reliability gold-plated contact	Flat	4.3 x 12.5 mm		B3F-5001	B3F-5101	
	Projected	7.3 x 12.5 mm		B3F-5051	B3F-5151	
	A state of the					

Important Note: Switches cannot be water-washed.



Taped Radial (Auto Insertion) 6 x 6 mm type

Type B3F-6000	Plunger	Switch height x pitch			Model		
					Without ground terminal	With ground terminal	
	Flat	4.3 x 6.5 mm	General-purpose: 10	0 g	B3F-6000	B3F-6100	
	\sim		High-force: 15	0 g	B3F-6002	B3F-6102	
		5.0 x 6.5 mm	General-purpose: 10	0 g	B3F-6020	B3F-6120	
			High-force: 15	0 g	B3F-6022	B3F-6122	
	Projected	7.3 x 6.5 mm	General-purpose: 10	0 g	B3F-6050	B3F-6150	
			High-force: 15	i0 g	B3F-6052	B3F-6152	

Note: The above switches must be ordered in units of 1,000.

Important Note: Switches cannot be water-washed.

■ Accessories

See "B32" Tactile Switch Key Top data sheet for keycaps that fit projected plunger B3F models.

Plunger Identification Table

Use this table to determine tactile switch type by plunger color.

Plunger color	Operating force	Туре
Light gray	100 g	B3F-1000, 1150, 3100, 6000, 6050
White	100 g	B3F-1050, 1100, 3150, 4000, 4050, 4100
Black	100 g	B3F-1020, 1110, 1120, 3120, 6020, 6120
Blue	130 g	B3F-5000 Series
Yellow	150 g	B3F-1002, 1052, 1102, 3102, 3152, 4005, 4055, 4105, 4155, 6002, 6052
Medium gray	150 g	B3F-1022, 1122, 3122, 6022
Orange	260 g	B3F-1005, 1055, 1105, 3105, 6005, 6055
Pink	260 g	B3F-1025, 1125, 3125, 6025

Specifications

■ Characteristics

	Part Number	Part Number						
	B3F-1	B3F-4	B3F-5	B3F-6	B3F-1□□-G			
Weight (see note 2)	Approx. 0.25 g	Approx. 0.85 g		Approx. 0.25 g				
Contact form	SPST-NO				SPST-NO			
Switching capacity	1 to 50 mA, 5 to 24 VE	DC (resistive load)	100 μA to 50 mA, 5 to 24 VDC (resistive load)					
Contact resistance 100 MΩ max. (Initial Value, Rated: 1mA, 5VDC)			100 M Ω max. (initial value) (rated: 100 μ A, 5 VDC					
Insulation resistance	100 M Ω min. (at 250 V	/DC)						
Dielectric strength	500 VAC, 50/60 Hz for	1 minute						
Bounce time	5 ms max.							
Vibration Malfunction durability: 10 to 55 Hz, 1.5 mm double amplitude		Malfunction: 10 to 55 Hz, 1.5 mm double amplitude for 30 to 60 s						
Shock	Mechanical durability: Malfunction durability:		,		Destruction: 1,000 m/s ² max.			
Ambient temperature	-25° to 70°C (with no i							
Humidity	35% to 85% RH	% to 85% RH						

1. Denotes the weight of standard type.

2. Data shown are of initial value.

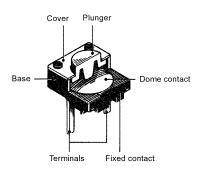
■ Life Expectancy

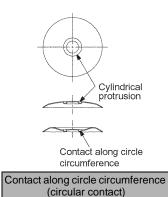
B3F-1000, B3F-3000, B3F-6000:					
1,000,000 operations min (OF: 100gf) (B3F-1070: 500,000 operations min)					
300,000 operations min (OF: 150 gf)					
100,000 operations min (OF: 260gf)					
B3F-G:					
300,000 operations min (OF: 176gf)					
B3F-4000:					
3,000,000 operations min (OF: 1.28 N)					
1,000,000 operations min (OF: 2.55 N)					
B3F-5000:					
10,000,000 operations min.					

■ Operating Characteristics

Characteristics	Part Number							
	B3F-1 0 / -3 0		B3F-4 🗆 / -5 🗆 🗆		B3F-6		B3F-100-G	
	-						General purpose type	
Operating force (OF)	$100\pm30~g$	$150\pm50~\text{g}$	$130\pm50~g$	$260\pm70~g$	100 ± 30 g	$150\pm50~g$	$1.76\pm0.49~\text{N}$	
Release force (RF) min.	20 g	50 g	30 g	50 g	20 g	50 g	0.49 N	
Pretravel (PT) max.	0.25 ^{+0.2} / _{-0.1} mm	0.25 ^{+0.2} / _{-0.1} mm	0.3 ^{+0.2} / _{-0.1} mm	0.3 ^{+0.2} / _{-0.1} mm	0.25 ^{+0.2} / _{-0.1} mm	0.25 ^{+0.2} / _{-0.1} mm	0.25 ^{+0.2} / _{-0.1} mm	

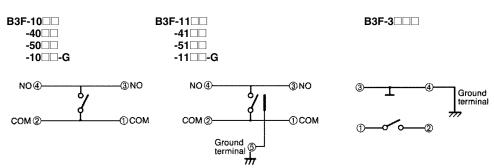
■ Construction





Switches have circular contact surface instead of single center point contact, increasing contact reliability.

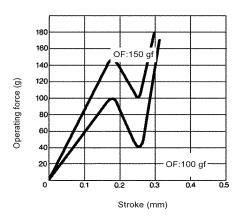
■ Contact Form



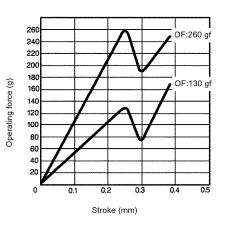
Engineering Data

■ Operating Force vs. Stroke (typical example)

B3F-100/-300/-6000



B3F-4

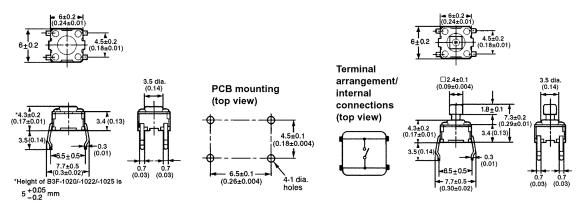


Dimensions

Unit: mm (inch)

B3F-1000/-1002/-1005/-1020*/-1022*/-1025*

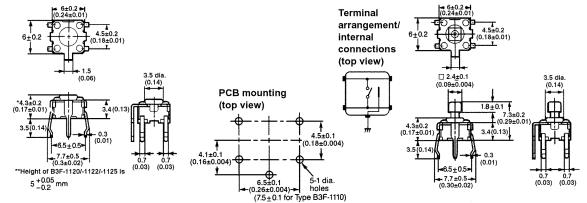
B3F-1050/-1052/-1055



The height of the B3F-102 \Box -G is 5±0.2 mm.

■ B3F-1100/-1102/-1105/-1120**/-1122**/-1125**



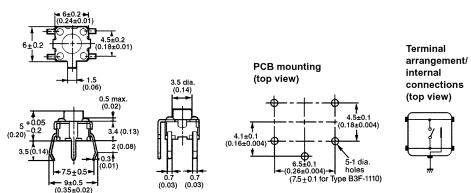


The height of the B3F-112 \Box -G is 5±0.2 mm.

Note: Terminal numbers are not indicated on this switch. With the switch turned over so that the logo mark "OMRON" is visible on the upper part of the rear side of the switch base, the terminal on the right of the logo mark is numbered "1" and that on the bottom right is "3." Accordingly, two terminals on the left side are numbered "2" and "4" respectively.

Note: Unless otherwise specified, a tolerance of \pm 0.4 mm applies to all dimensions.

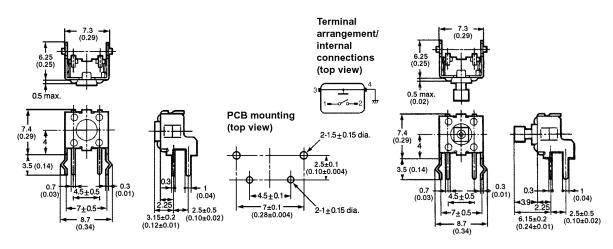




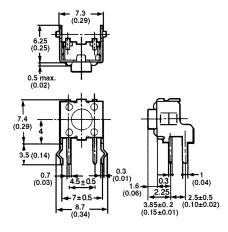
Note: Terminal numbers are not indicated on this switch. With the switch turned over so that the logo mark "OMRON" is visible on the upper part of the rear side of the switch base, the terminal on the right of the logo mark is numbered "1" and that on the bottom right is "3." Accordingly, two terminals on the left side are numbered "2" and "4" respectively.

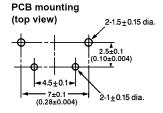
■ B3F-3100/-3102/-3105

B3F-3150/-3152/-3155



B3F-3120/-3122/-3125



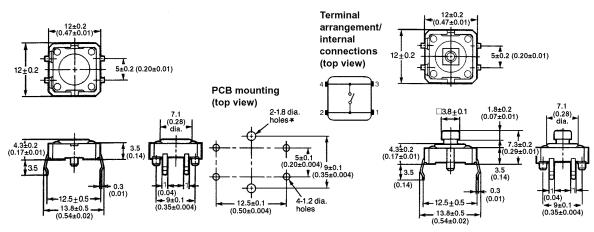


Terminal arrangement/ internal connections (top view)

Note: Unless otherwise specified, a tolerance of $\pm\,0.4$ mm applies to all dimensions.

B3F-4000/-5000/-4005/-5001

B3F-4050/-5050/-4055/-5051

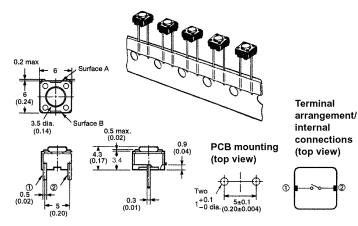


* Fit the projection of the switch into this hole to secure the switch.

B3F-4101/-5100/-4105/-5101 B3F-4150/-5150/-4155/-5151 12±0.2 (0.47±0.01) 12±0.2 (0.47±0.01) Terminal arrangement/ internal \$±0.2 (0.20±0.01) 5±0.2 (0.20±0.01) 12±0.2 connections 12+0.2(top view) PCB mounting 1.6 (0.06) 2-1.8 dia. holes* 7.1 (top view) (0.06), 1.8±0.2 (0.07±0.01) (0.28) H dia. □3.8±0.1 ←6.9→ (0.27) T 5±0.1 7.3 ±0 9±0.1(0.35±0.004) 4.3±0.2 (0.17±0.01) 3.5 0.14) 4.3±0. 0.20±0.004) 0.14) 3.5 1 3.5 (0.14) 5-1.2 dia. holes (0.14) ⊢ 0.3 (0.01) 0.9 • 0.3 (0.01) - 12.5±0.1 - (0.50±0.004) -12.5±0.5 ⊷12.5±0.5 9±0.1 + (0.35±0.004) 9+0.1 13.8±0.5 _ (0.54±0.02) (0.35±0.004) - 13.8±0.5 -(0.54±0.02)

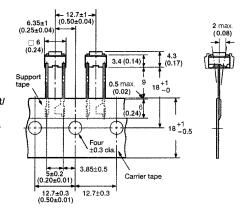
* Fit the projection of the switch into this hole to secure the switch.

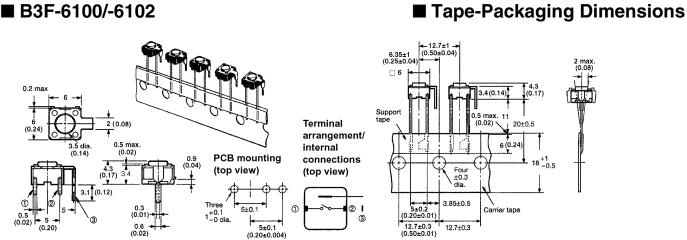
B3F-6000/-6002



Note: The tape is random between surface A and surface B. Unit: mm (inch)

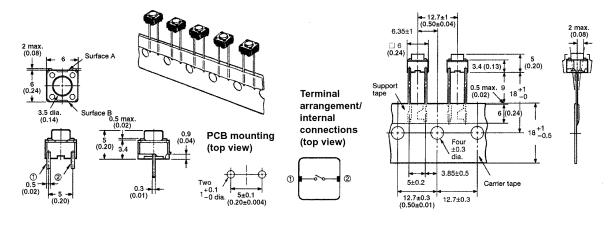
Tape-Packaging Dimensions





OMRON

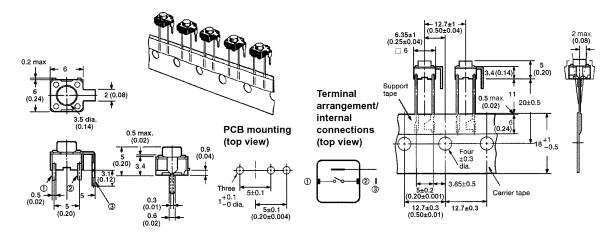
Tape-Packaging Dimensions



■ B3F-6120/-6122

■ B3F-6020/-6022

Tape-Packaging Dimensions



Note: Unless otherwise specified, a tolerance of \pm 0.4 mm applies to all dimensions.

B3F-6050/-6052

0.2 max

(0.24

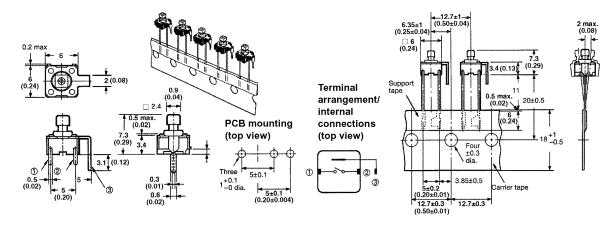
0.5 (0.02)

- 12.7±1 - (0.50±0.04) 6.35±1 (0.25±0.04) 0 Surface A (0.29) 3.4 (0.14) ⊕[] Suppo tape Terminal (0.35) 8+ 2.4 (0.02)arrangement/ Surface B internal T (0.24)0.5 max (0.02) PCB mounting connections 0.9 (0.04) -0.5 (top view) (top view) Four ±0.3 dia. (0.29 1 ٢ 3.85±0.5 +0.1 5±0.1 1-0 dia. (0.20±0.004) 5±0. Carrier tape (0.20±0.01) 0.3 (0.01) 12.7±0.3 (0.50±0.01) 12.7±0.3

■ Tape-Packaging Dimensions

B3F-6150/-6152

Tape-Packaging Dimensions



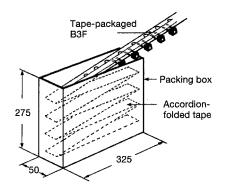
Note: Unless otherwise specified, a tolerance of $\pm\,0.4$ mm applies to all dimensions.

Hints on Correct Use

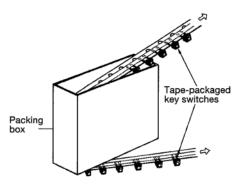
See the Tactile Switch User's Guide, "Tactile Switches - Technical Information" for information regarding processing and handling.

■ Taped Radial (Auto Insertion) Packaging

- Tactile switches packed on tape are placed into packing boxes as shown below.
- Number of switches per box: 1,000



• Tape may be drawn from the box either from the top or from the bottom.

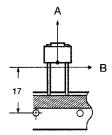


■ Taping Strength

The tactile switches will not release from the tape when pulled in directions A and B at the following forces.

A: 500 g

B: 100 g



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) (b)
- 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: Products: (c) (d)
- Including without limitation Including:
- 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
- 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. 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 legal 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 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 inferest 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 celler 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
- 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
- <u>Shipping: Delivery:</u> 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
- (c) Seller will package Products as it deems proper for protection against normal 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 RESPOINSIBILITY 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 DETERMINING 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. 3
- Prohibited Use: 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 PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
- Wotorized Vehicle Application: USE OF ANY PRODUCT/S FOR A MOTORIZED VEHICLE APPLICATION MUST BE EXPRESSLY STATED IN THE SPECIFICATION BY 4 SELLER.
- Programmable Products: Seller shall not be responsible for the Buyer's programming of 5 a programmable Product.

IV. 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,
- nanided, stored, installed and maintained and hot subject to contaminitation, addse, 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 DEPORTED OR DEPORTUCTION DE CONTRECTANT DESCRIPTION WAY CONNECTED 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 attorney's fees and expenses) related to any claim, investigation, litigation or proceeding 4 (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.
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- 3 and the users must correlate it to actual application requirements.
- <u>Change In Specifications:</u> Product specifications and description may be changed at any 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 4 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.
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- Amendment: These Terms constitute the entire agreement between Buyer and Seller 4
- 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.

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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-
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 (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. 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 SYS-TEM

- <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.
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- 5.
- contirm actual specifications of purchased Product. <u>Errors and Omissions</u>. The information in this publication has been carefully checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors, or omissions. <u>RoHS Compliance</u>. 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 con-sult our website for current information. 6. sult 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.



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