

Item		Specifications		
		GT2512-STBD	GT2510-VTBD, GT2510-VTWD	GT2508-VTBD, GT2508-VTWD
Power supply voltage		DC24 V (+25%, -20%)		
Power consumption	maximum load	37 W or less	33 W or less	31 W or less
	Stand alone	13 W	10 W	8 W
	Stand alone with backlight off	6 W	6 W	6 W
Inrush current		5 A or less (20 ms, operating ambient temperature 25, maximum load)		
Allowable momentary power failure time		10 ms or less		
Noise immunity		500 Vp-p noise voltage, 1 μs noise width (when measuring with a noise simulator under 25 to 60 Hz noise frequency)		
Dielectric withstand voltage		350 V AC for 1 minute across power terminals and earth		
Insulation resistance		10 MΩ or more across power terminals and earth by a 500 V DC insulation resistance tester		
Applicable wire size		0.75[mm ²] to 2[mm ²]		
Applicable solderless terminal		Solderless terminal for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A		
Applicable tightening torque (Terminal block terminal screw)		0.5[N·m] to 0.8[N·m]		

GT2512

Top view: 316 (12.44), 241 (9.49), 227 (8.94), 10 (0.39), 6 (0.24), 52 (2.05)

Side view: 199 (7.83), 10 (0.39), 6 (0.24), 52 (2.05)

Bottom view: 241 (9.49), 301 (11.85)

GT2510

Top view: 303 (11.93), 208 (8.19), 228 (8.98), 10 (0.39), 6 (0.24), 52 (2.05)

Side view: 218 (8.58), 10 (0.39), 6 (0.24), 52 (2.05)

Bottom view: 288 (11.34)

GT2508

Top view: 241 (9.49), 166 (6.54), 171.6 (6.76), 194 (7.64), 37.5 (1.48), 10 (0.39), 6 (0.24), 52 (2.05)

Side view: 175 (6.89), 10 (0.39), 6 (0.24), 52 (2.05)

Bottom view: 226 (8.90)

GT2505

Top view: 164 (6.46), 122 (4.80), 122 (4.80), 22 (0.87), 10 (0.39), 6 (0.24), 53.5 (2.11)

Side view: 120 (4.72), 10 (0.39), 6 (0.24), 53.5 (2.11)

Bottom view: 152 (5.98)

Unit : mm (inch)

Applied standard	Test standard	Test details	Standard value
	CISPR16-2-3 Radiated noise ^{*1}	Electromagnetic emissions from the product are measured.	30 M-230 MHz QP: 30 dB μ V/m (30 m in measurement range) ² , ³ 230 M-1000 MHz QP: 37 dB μ V/m(30 m in measurement range) ² , ³
	CISPR16-2-1 Conducted noise ^{*1}	Electromagnetic emissions from the product to the power line is measured.	150 k-500 kHz QP: 79 dB, Mean: 66 dB ² 500 k-30 MHz QP: 73 dB, Mean: 60 dB ²
	IEC61000-4-2 Electrostatic immunity ^{*1}	Immunity test in which static electricity is applied to the cabinet of the equipment.	± 4 kV Contact discharge ± 8 kV Aerial discharge

*1: The GOT is an open type device (device installed to another device) and must be installed in a conductive control panel.
The above test items are conducted in the condition where the GOT is installed on the conductive control panel and combined with the Mitsubishi Electric PLC.

*2: QP (Quasi-Peak): Quasi-peak value, Mean: Average value

*3: The above test items are conducted in the following conditions.
30 M-230 MHz QP: 40 dBμV/m (10 m in measurement range)
230 M-1000 MHz QP: 47 dBμV/m (10 m in measurement range)

Horizontal

Panel thickness:
1.6 to 4mm
(0.06 to 0.16 inch)

Vertical

Panel thickness:

Item		G12512	G12510	G12508	G12505
A	GOT only	48(1.89) or more [18(0.71) or more]		48(1.89) or more 23(1.14) or more	50(1.97) or more [20(0.79) or more]
	Ethernet communication unit is fitted	48(1.89) or more [18(0.71) or more]			-
	Bus connection unit is fitted	48(1.89) or more [18(0.71) or more]		23(0.91) or more 23(1.14) or more	-
	Serial connection unit is fitted	48(1.89) or more [18(0.71) or more]			-
	CC-Link communication unit (G1715-J61BT13) fitted	48(1.89) or more [18(0.71) or more]			-
	MELSECNET/H communication unit (coaxial) fitted ¹⁾	48(1.89) or more [38(1.50) or more]	48(1.89) or more [45(1.77) or more]	67(2.64) or more	
	MELSECNET/H communication unit(optical) fitted ²⁾		48(1.89) or more [18(0.71) or more]		-
CC-Link IE TSN communication unit is fitted		48(1.89) or more [18(0.71) or more]			

Item		G12512	G12510	G12508	G12505
A	GOT only	48(1.89) or more [18(0.71) or more]		48(1.89) or more 23(1.14) or more	50(1.97) or more [20(0.79) or more]
	Ethernet communication unit is fitted	48(1.89) or more [18(0.71) or more]			-
	Bus connection unit is fitted	48(1.89) or more [18(0.71) or more]		23(0.91) or more 23(1.14) or more	-
	Serial connection unit is fitted	48(1.89) or more [18(0.71) or more]			-
	CC-Link communication unit (G1715-J61BT13) fitted	48(1.89) or more [18(0.71) or more]			-
	MELSECNET/H communication unit (coaxial) fitted ¹⁾	48(1.89) or more [38(1.50) or more]	48(1.89) or more [45(1.77) or more]	67(2.64) or more	
	MELSECNET/H communication unit(optical) fitted ²⁾		48(1.89) or more [18(0.71) or more]		-
	CC-Link IE TSN communication unit is fitted		48(1.89) or more [18(0.71) or more]		

		GOT		B		C
 Horizontal	 Vertical	GT	302 (11,89)	228 (8,98)	10 (0,39) ou plus	
		2512	+2 (0,08) 0 (0)	+2 (0,08) 0 (0)		
		GT	289 (11,38)	200 (7,87)		
		2510	+2 (0,08) 0 (0)	+2 (0,08) 0 (0)		
		GT	227 (8,94)	176 (6,93)		
		2508	+2 (0,08) 0 (0)	+2 (0,08) 0 (0)		
		GT	153 (6,02)	121 (4,76)		
		2505	+2 (0,08) 0 (0)	+2 (0,08) 0 (0)		

4.1.3 Noise filter (power supply line filter)

The noise filter (power supply line filter) is a device effective to reduce conducted noise. Except some models, installation of a noise filter onto the power supply lines is not necessary. However conducted noise can be reduced if it is installed. (The noise filter is generally effective for reducing conducted noise in the band of 10 MHz or less.) Use a noise filter equivalent to the following noise filters (double π -type filters).

4.2.1 Standard subject to GOT

Standard applied to GOT : EN61131-2 Programmable controllers - Equipment requirements and tests

Article		GT2512	GT2510	GT2508	GT2505
A	GOT uniquement	48 (1,89) ou plus [18 (0,71) ou plus]		48 (1,89) ou plus [29 (1,14) ou plus]	50 (1,97) ou plus [20 (0,79) ou plus]
	Unité de communication Ethernet encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Unité de connexion de bus encastree	48 (1,89) ou plus [18 (0,71) ou plus]		23 (0,91) ou plus [29 (1,14) ou plus]	
	Unité de connexion série encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication CC-Link (GT1.5-J61BT3) encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication MELSECNET/H (coaxial) encastree ²	48 (1,89) ou plus [38 (1,50) ou plus]	48 (1,89) ou plus [45 (1,77) ou plus]		67 (2,64) ou plus
	Module de communication MELSECNET/H (optique) encastree ²		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication CCLink IE TSN encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication réseau de contrôleur CC-Link IE encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication réseau de champ CC-Link IE encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
A	Imprimante encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module d'E/S externe encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de sortie acoustique encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
B			Horizontal: 78 (3,07) ou plus [18 (0,71) ou plus] Vertical: 48 (1,89) ou plus [18 (0,71) ou plus]		Horizontal: 80 (3,15) ou plus [20 (0,79) ou plus] Vertical: 50 (1,97) ou plus [20 (0,79) ou plus]

Article		GT2512	GT2510	GT2508	GT2505
A	GOT uniquement	48 (1,89) ou plus [18 (0,71) ou plus]		48 (1,89) ou plus [29 (1,14) ou plus]	50 (1,97) ou plus [20 (0,79) ou plus]
	Unité de communication Ethernet encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Unité de connexion de bus encastree	48 (1,89) ou plus [18 (0,71) ou plus]		23 (0,91) ou plus [29 (1,14) ou plus]	
	Unité de connexion série encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication CC-Link (GT1.5-J61BT3) encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication MELSECNET/H (coaxial) encastree ²	48 (1,89) ou plus [38 (1,50) ou plus]	48 (1,89) ou plus [45 (1,77) ou plus]		67 (2,64) ou plus
	Module de communication MELSECNET/H (optique) encastree ²		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication CCLink IE TSN encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication réseau de contrôleur CC-Link IE encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de communication réseau de champ CC-Link IE encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
A	Imprimante encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module d'E/S externe encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
	Module de sortie acoustique encastree		48 (1,89) ou plus [18 (0,71) ou plus]		-
B			Horizontal: 78 (3,07) ou plus [18 (0,71) ou plus] Vertical: 48 (1,89) ou plus [18 (0,71) ou plus]		Horizontal: 80 (3,15) ou plus [20 (0,79) ou plus] Vertical: 50 (1,97) ou plus [20 (0,79) ou plus]

Install the GOT on the control panel out of the way for the equipment inside the control panel. Do not install the GOT and the unit in prohibited areas for the installation.

Article		GT2512	GT2510	GT2508	GT2505
C	Quand la carte SD est utilisée	50 (1,97) ou plus [20 (0,79) ou plus]	50 (1,97) ou plus [20 (0,79) ou plus]	50 (1,97) ou plus [20 (0,79) ou plus]	Horizontal: 50 (1,97) ou plus [20 (0,79) ou plus] Vertical: 80 (3,15) ou plus [20 (0,79) ou plus]
	Quand la carte SD n'est pas utilisée	50 (1,97) ou plus [20 (0,79) ou plus]			Vertical: 80 (3,15) ou plus [20 (0,79) ou plus]
D		Horizontal: 50 (1,97) ou plus [20 (0,79) ou plus] Vertical: 80 (3,15) ou plus [20 (0,79) ou plus]			50 (1,97) ou plus [20 (0,79) ou plus]
E ⁻³		100 (3,94) ou plus [20 (0,79) ou plus]			

6. MAINTENANCE AND INSPECTION

Refer to the GOT2000 Series User's Manual (Hardware) for maintenance and inspection for the GOT.

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Specifications subject to change without notice.
 Printed in Japan, May 2024.

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Printed in Japan, May 2024.