

	and other cyberattacks from unreliable networks and devices via network, take appropriate measures such as firewalls, virtual private networks (VPNs), and
	antivirus solutions.
	Mitsubishi Electric shall have no responsibility or liability for any problems involving GOT trouble and system trouble by unauthorized access, DoS attacks, computer vinces, and other cuberattacks.
	attacks, computer viruses, and other cyberattacks. *1 DoS: A denial-of-service (DoS) attack disrupts services by overloading
	systems or exploiting vulnerabilities, resulting in a denial-of-service (DoS) state.
	Products with the CLI, DIV.2 mark on the rating plate are suitable for use in Class I, Division 2, Groups A, B, C and D hazardous locations, or nonhazardous locations only.
	This mark indicates that the product is certified for use in the Class I, Division2
	environment where flammable gases, vapors, or liquids are not likely to exist under normal conditions.
	When using the products in the Class I, Division 2 environment, observe the following to reduce the risk of explosion.
	<ul> <li>This device is open-type and is to be installed in an enclosure suitable for the environment and require a tool or key to open.</li> </ul>
	<ul> <li>Warning - Explosion Hazard - Substitution of any component may impair</li> </ul>
	suitability for Class I, Division 2. • Warning - Explosion Hazard - Do not connect or disconnect equipment or
	disconnect external connection terminals unless power has been removed or the
	area is known to be non-hazardous. <ul> <li>The side interface and extension interface of this equipment cannot be used</li> </ul>
,	in Class I, Division 2 environments.
	Les produits marqués Cl.I, DIV.2 sur la plaque signalétique peuvent être utilisés en Class I, Division 2, local dangereux de groupe A, B, C et D, ou uniquement en
	local non dangereux. Ce logo indique que le produit est homologué pour utilisation en environnement de Class I, Division 2 où, dans des circonstances anormales, il peut y avoir
	de Class I, División 2 où, dans des circonstances anormales, il peut y avoir présence de gaz, vapeurs ou liquides inflammables.
	Si le produit est utilisé en environnement de Class I, Division 2, observer les
	précautions suivantes pour réduire le risque d'explosion. • Cet appareil est de type ouvert et il doit être installé dans une enceinte
	appropriée à l'environnement et ne pouvant être ouverte qu'au moyen d'une clé ou d'un outil.
	<ul> <li>Avertissement - Danger d'explosion - Toute substitution de composant</li> </ul>
	peut compromettre l'aptitude à l'utilisation en Class I, Division 2. • Avertissement - Danger d'explosion - Ne pas connecter ou déconnecter
	l'équipement ni déconnecter les bornes de connexion externes quand le circuit est sous tension, ni avant de d'être assuré de l'absence d'atmosphère
	inflammable.
	<ul> <li>L'interface latérale et l'interface d'extension de cet équipement ne peuvent être utilisées dans les environnements de Classe I, Division 2.</li> </ul>
	Do not bundle the control and communication cables with main-circuit, power or
	other wiring. Run the above cables separately from such wiring and keep them a minimum of
	100mm apart.
	Not doing so noise can cause a malfunction. Do not press the GOT display section with a pointed material as a pen or driver.
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	Do not press the GOT display section with a pointed material as a pen or driver. Doing so can result in a damage or failure of the display section. When the GOT connects to an Ethernet network, the IP address setting is restricted according to the system configuration. When a GOT2000 series model and a GOT1000 series model are on an Ethernet network, do not set the IP address 192.168.018 of the GOTs and the controllers on this network. Doing so can cause IP address duplication at the GOT startup, adversely affecting the communication of the device with the IP address 192.168.018. The operation at the IP address duplication depends on the devices and the system. Turn on the controllers and the network devices to be ready for communication before they communicate with the GOT. Failure to do so can cause a communication error on the GOT. When the GOT is ubject to shock or vibration, or some colors appear on the screen of the GOT, the screen of the GOT might flicker. <b>OUNTING PRECAUTIONS]</b> Be sure to shut off all phases of the external power supply used by the system before mounting or removing the Communication into ofform the panel. Net bar of a shut off all phases of the external power supply used by the system before mounting or removing the communication unit ontform the GOT in the environment that satisfies the general specifications described in this manual. Not doing so can cause an electric shock, fire, malfunction or product damage or deteriording. When mounting the GOT to the control panel, tighten the mounting screws in the specified torque range (0.30 Nrm to 0.48 Nrm). C122505. Specified torque range (0.30 Nrm to 0.48 Nrm). C122505. Specified torque range (0.30 Nrm to 0.48 Nrm). C123505. Specified torque range (0.30 Nrm to 0.48
	Do not press the GOT display section with a pointed material as a pen or driver. Doing so can result in a damage or failure of the display section. When the GOT connects to an Ethernet network, the IP address setting is restricted according to the system configuration. When a GOT2000 series model and a GOT1000 series model are on an Ethernet network, do not set the IP address 192.168.018 for the GOTs and the controllers on this network. Doing so can cause IP address duplication at the GOT startup, adversely affecting the communication of the device with the IP address 192.168.018. The operation at the IP address duplication depends on the devices and the system. Turn on the controllers and the network devices to be ready for communication before they communicate with the GOT. Failure to do so can cause a communication error on the GOT. When the GOT is ubject to shock or vibration, or some colors appear on the screen of the GOT, the screen of the GOT might flicker. <b>OUNTING PRECAUTIONS]</b> Be sure to shut off all phases of the external power supply used by the system before mounting or removing the GOT main unit to/from the panel. Not doing so can cause as of the external power supply used by the system before mounting or removing the Communication. Be sure to shut off all phases of the external power supply used by the system before mounting or removing the Communication unit on/from the GOT. In the environment that satisfies the general specifications described in this manual. Not doing so can cause an electric shock, fire, malfunction or product damage or deterioration. When mounting the GOT to be control panel, tighten the mounting screws in the specified torque range (0.30 Nrm to 0.48 Nrm) (712505. Specified torque range (0.30 Nrm to 0.48
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	Do not press the GOT display section with a pointed material as a pen or driver. Doing so can result in a damage or failure of the display section. When the GOT connects to an Ethernet network, the IP address setting is restricted according to the system configuration. When a GOT2000 series model and a GOT1000 series model are on an Ethernet network, do not set the IP address 192.168.0.18 for the GOTs and the controllers on this network. Doing so can cause IP address duplication at the GOT startup, adversely affecting the communication of the device with the IP address 192.168.0.18. The operation at the IP address duplication depends on the devices and the system. Turn on the controllers and the network devices to be ready for communication before they communicate with the GOT. Failure to do so can cause a communication or or on the GOT. When the GOT is subject to shock or vibration, or some colors appear on the screen of the GOT, the screen of the GOT might flicker. <b>OUNTING PRECAUTIONS</b> Be sure to shut off all phases of the external power supply used by the system before mounting or removing the GOT mailunction. Be sure to shut off all phases of the external power supply used by the system before mounting or removing the communication unit ofform the panel. Not doing so can cause as of the external power supply used by the system before mounting or removing the communication unit or the option unit ontoffrom the GOT. When the GOT in the environment that satisfies the general specifications described in this manual. Not doing so can cause an electric shock, fire, malfunction or product damage or deteriorition. When mounting the GOT to the control panel, tighten the mounting screws in the specified torque range (0.30 Nrm to 0.48 Nrm) (1275205, GDT2508; Specified torque range (0.38 Nrm to 0.48 Nrm) (1275212, GT2510, GT2508; Specified torque range (0.38 Nrm to 0.48 Nrm) (1275212, GDT2508; Specified torque range (0.30 Nrm to 0.48 Nrm) (1275212, GDT2508; Specified torque range (0.30 Nrm to 0.48 Nrm) (1275212, GDT25

To maintain the security (con

and availability) of the GOT

•	[GT2505-V] Push the USB mark on the latch firmly to fix the cover to the GOT. Remove the protective film of the GOT.	•	Before touching the unit, always to electricity from human body, etc. Not doing so can cause the unit to
•	When the user continues using the GOT with the protective film, the film may no be removed.	•	Use the battery manufactured by N Use of other batteries may cause a
•	Do not operate or store the GOT in the environment exposed to direct sunlight, high temperature, dust, humidity, or vibrations. When using the GOT in the environment of oil or chemicals, use the protective	•	Dispose of used battery promptly. Keep away from children. Do not disassemble and do not dis
	cover for oil. Failure to do so may cause failure or malfunction due to the oil or chemical entering into the GOT.	<b>'</b>	Be sure to shut off all phases of the battery or using the dip switch of th Not doing so can cause the unit to
[W		, <u>r</u>	OUCH PANEL PRECAU
_	WARNING Be sure to shut off all phases of the external power supply used by the system	_	<b>∧ C</b>
•	before wing. Failure to do so may result in an electric shock, product damage or malfunctions	•	For the analog-resistive film type to required.
			However, the difference between a occur as the period of use elapses
_			occur as the period of use elapses. When any difference between a to
•	Make sure to ground the FG terminal and LG terminal of the GOT power supply section solely for the GOT (ground resistance: 100 Ω or less, ground cable diameter: 1.6 mm or more).	•	execute the touch panel calibration When any difference between a to other object may be activated.
•	Not doing so may cause an electric shock or malfunction. When tightening the terminal screws, use a Phillips-head screwdriver No.2.		This may cause an unexpected op
•	Terminal screws which are not to be used must be tightened always at torque 0.5 N•m to 0.8 N•m.	[P	PRECAUTIONS WHEN TH
•	Otherwise there will be a danger of short circuit against the solderless terminals Use applicable solderless terminals and tighten them with the specified torque.		A W
	If any solderless spade terminal is used, it may be disconnected	•	If the SD card is removed from driv GOT, the GOT may stop processin
•	when the terminal screw comes loose, resulting in failure. Correctly wire the GOT power supply section after confirming the rated voltage		The GOT cannot be operated durin
	and terminal arrangement of the product. Not doing so can cause a fire or failure.		The functions that run in the backg logging, scripts, and others are also Since this interruption makes an im
٠	Tighten the terminal screws of the GOT power supply section in the specified		Since this interruption makes an in failure.
	torque range (0.5 N•m to 0.8 N•m). Undertightening can cause a short circuit or malfunction.		Check that the SD card access LE
	Overtightening can cause a short circuit or malfunction due to the damage of the screws or unit.		Δ C
•	Exercise care to avoid foreign matter such as chips and wire offcuts entering the	•	If the data storage is removed from
	GOT. Not doing so can cause a fire, failure or malfunction.	_	the data storage and files may be o
•	The module has an ingress prevention label on its top to prevent foreign matter.		Before removing the data storage fi system signal, or others to make si
	such as wire offcuts, from entering the module during wiring. Do not peel this label during wiring. Before starting system operation, be sure to peel this label because of heat	•	Turning off the GOT while it access
	Before starting system operation, be sure to peel this label because of heat dissipation.	•	card and files. Make sure to turn off the SD card a
•	Plug the communication cable into the GOT interface or the connector of the		from the GOT. Not doing so may damage the SD
	connected unit, and tighten the mounting screws and the terminal screws in the specified torque range.	•	After inserting an SD card into the Not doing so causes the data not to
	Undertightening can cause a short circuit or malfunction. Overtightening can cause a short circuit or malfunction due to the damage of the		Not doing so causes the data not to When removing the SD card from t
	screws or unit.		hand as it may pop out. Not doing so may cause the SD ca
•	Plug the QnA/ACPU/Motion controller (A series) bus connection cable by inserting it into the connector of the connected unit until it "clicks".		or break.
	After plugging, check that it has been inserted snugly. Not doing so can cause a malfunction due to a contact fault.	•	When inserting a USB device into insert the device into the interface to Not doing so can cause a malfunct
TI	EST OPERATION PRECAUTIONS]	- I.	Before removing the data storage f
<u> </u>			removal on the utility screen of the After the successful completion dia
•	Before testing the operation of a user-created monitor screen (such as turning or		hand carefully.
	or off a bit device, changing the current value of a word device, changing the se value or current value of a timer or counter, and changing the current value of a		Not doing so may cause the data s failure or break.
	buffer memory), thoroughly read the manual to fully understand the operating		RECAUTIONS FOR USE
	procedures. During the test operation, never change the data of the devices which are used		
	to perform significant operation for the system. False output or malfunction can cause an accident.		Do not touch the outer edge of the
9	TARTUP/MAINTENANCE PRECAUTIONS]	- L	Doing so may result in a failure.
		ין ר	Do not turn off the GOT while data or SD card.
•	When power is on, do not touch the terminals.		Doing so may corrupt the data, ren
•	Doing so can cause an electric shock. Correctly connect the battery connector.	<u>[P</u>	RECAUTIONS FOR REI
-	Do not charge, disassemble, heat, short-circuit, solder, or throw the battery into the fire.		A W
	Doing so will cause the battery to produce heat, explode, or ignite, resulting in	•	Remote control is available through the SoftGOT-GOT link function, the function, the VNC server function, i If these functions are used to perfor field operator may not notice the re in addition, a communication delay
•	injury and fire. Before starting cleaning or terminal screw retightening, always switch off the		function, the VNC server function, a
	power externally in all phases. Not switching the power off in all phases can cause a unit failure or malfunction.		field operator may not notice the re
	Not switching the power off in all phases can cause a unit failure or mainunction. Underlightening can cause a drop, short circuit or malfunction. Overtightening can cause a drop, short circuit or malfunction due to the damage		
	Overtightening can cause a drop, short circuit or malfunction due to the damage of the screws or unit.		performed normally in some cases Before using the above functions to circumstances of the field site and
	▲ CAUTION	i L	circumstances of the field site and
•	Do not disassemble or modify the unit.	1 🖻	RECAUTIONS FOR EXCLU
	Doing so can cause a failure, malfunction, injury or fire.		🛆 W
	Do not tough the conductive and electronic parts of the unit directly		

When closing the USB environmental protection cover, note the follow to ensure the IP rating. [GT26 (except GT2505-V)] Push the [PUSH] mark on the latch firmly to fix the cover to the GOT.

- Doing so can cause a failure, malfunction, injury or fire. Do not touch the conductive and electronic parts of the unit directly. Doing so can cause a unit malfunction or failure. The cables connected to the unit must be run in ducts or clamped. Not doing so can cause the unit or cable to be damaged due to the dangling, motion or accidental pulling of the cables or can cause a malfunction due to a cable connection fault.
- When unplugging the cable connected to the unit, do not hold and pull from the cable portion. Doing so can cause the unit or cable to be damaged or can cause a malfunctio due to a cable connection fault.
- Do not drop the module or subject it to strong shock. A module damage may result.

### 

- Do not drop or give an impact to the battery mounted to the unit. Doing so may damage the battery, causing the battery fluid to leak inside the battery. If the battery is dropped or given an impact, dispose of it without using. Before touching the unit, always touch grounded metals, etc. to discharge static
- o fail or malfunction
- shi Electric Corporation a risk of fire or explos
- ispose of in fire.
- the external power supply before replacing the the terminating resistor. to fail or malfunction by static electricity.

## UTIONS1

- CAUTION the adjustment is not touch panels, no
- a touched position and the object position may
- buched position and the object position occurs
- ouched position and the object position occu operation due to incorrect output or malfunction

## HE DATA STORAGE IS IN USE]

- WARNING
- rive A of the GOT while being accessed by the ing data for about 20 seconds. ring this period.
- kground including a screen updating, alarm, lso interrupted
- so interrupted. impact to the system operation, it might cause ED is off before removing the SD card.

#### CAUTION

- he GOT while being accessed by the GOT, damaged. from the GOT, check the SD card access LED, a sto sure that the data storage is not accessed. sses the SD card results in damage to the SD
- access switch before removing the SD card
- D card or files. (GT2505 only) le GOT, make sure to close the SD card cover. t to be read or written. n the GOT, make sure to support the SD card by
- card to drop from the GOT, resulting in a failure o a USB interface of the GOT, make sure to
- e firmly. ction due to a contact failure. e from the GOT, follow the procedure for le GOT. lialog is displayed, remove the data storage by
- storage to drop from the GOT, resulting in a

#### SE1

- CAUTION e actual display area repeatedly.
- ta is being written to the storage memory (ROM)
- endering the GOT inoperative.

### MOTE CONTROL]

- WARNING
- gh a network by using GOT functions, including he remote personal computer operation , and the GOT Mobile function. form remote control of control equipment, the remote control, possibly leading to an accident. ay or interruption may occur depending on the control of control equipment cannot be
- to perform remote control, fully grasp the d ensure safety.

# USIVE AUTHORIZATION CONTROL]

- WARNING Make sure to fully understand the GOT network interaction function before using this function to control the authorization among pieces of equipment to prevent simultaneous operations. The exclusive authorization control of the GOT network interaction function can be enabled or disabled for each screen. (For all screens, the exclusive authorization control is disabled by default.) Properly determine the screens for which the exclusive authorization control is required, and set the control by screen. A screen for which the exclusive authorization control is disabled can be operated simultaneously from pieces of equipment. Make sure to determine the operation for of to reach operator, fully grasp the circumstances of the field site, and ensure safety to perform operations.

## [DISPOSAL PRECAUTIONS]

•	When disposing of this product, treat it as industrial waste. When disposing of batteries, separate them from other wastes according to the local regulations. (Refer to the GOT2000 Series User's Manual (Hardware) for details of the battery directive in the EU member states.)				
T	TRANSPORTATION PRECAUTIONS				

# 

- When transporting lithium ba transport regulations. (Refer to the GOT2000 Series User's Manual (Hardware) for details of the
- Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance describe they will not be exposed to the impact exceeding the impact resistance des in the general specifications of this manual, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.
- Check if the unit operates correctly after transportation. When fungiants that contain halogen materials such as fluorine, chlorine, bromine, and lodine are used for disinfecting and protecting wooden packaging from insects, they cause malfunction when entering our products. Please take necessary precautions to ensure that remaining materials from fumigation on the enter our products, or treat packaging with methods other than furgigation (heat method). Additionally, disinfect and protect wood from insects before packing products.

	<b>Manuals</b>	
ollowing shows manuals	relevant to this	product.

The following shows manuals relevant to this pr	oduct.					
Manual name	Manual number (Model code)					
GOT2000 Series User's Manual (Hardware)	SH-081194ENG (1D7MJ5)					
GOT2000 Series User's Manual (Utility) SH-081195ENG (1D7MJ6)						
For detailed manuals and relevant manuals, refer to the e-Manual or PDF manuals stored in the DVD-ROM for the screen design software used.						
The latest manuals are also available from MITSUBISHI ELECTRIC FA Global Website (www.MitsubishiElectric.com/fa).						

# Compliance with the new China RoHS directive

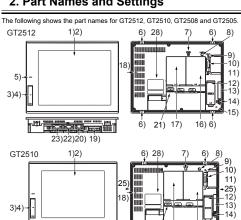
要求的表示方法 GOT 相关的基于 电器电子产品有害物质限制使用管理办法



#### Connectual with values perpendia devices with the out Connectual sability Abundant troubleshooting Easy and clear screen creation PC-like operation screen Support for the vertical installation Change dompatibility with Mitsubishi Electric FA devices Change dompatibility with Mitsubishi Electric FA devices Easy replacement] LED backlight Various extended functions supported (5) (6) 2. Part Names and Settings GT2512 1)2) 6) 28) 7) 6) 5)-3)4) 6) 21) 17) 16) 6) 23)22)20) 19) 1)2) 6) 28) GT2510 7) 6) 8) 3)4)--15) 6) 21) 17) 16)6)

- ion fitting inting fixtures for fixing the GOT to the control panel Reset switch Hardware reset switch Used for OS installations at the GOT startu Installation switch it: SD card mounted Blinking: SC card accessed No lit: SD card not mounted or SD card mounted (ren For installing a SD card 9) SD card access LED 10) SD card inter For instaining a SD card with a switching function for accepting and stopping the access to the SD card (only GT2512, GT2510 and GT2508 When the cover is opened : Access is prohibited When the cover is closed : Access is allowed 11) SD card cove 12) Battery hold Houses the battery 13) Side interface For installing a communication unit For connecting a USB mouse, a USB keyboard, or a USB USB interface (Host/Back face) 14) rcode reader, and transferring or saving data onnector shape: TYPE-A) Lonnector shape: TVPE-A) Hole for attaching a cable clamp for preventing USB cable from being pulled out (Recommended product: RSG-130-V0 of KITAGAWA INDUSTRIES CO.,LTD. or equivalent) • For GT2512, GT2510, GT2508 For switching on and off of the terminating resistor for the For GT2505. For syliching the termination port (Default (Off)) For GT2505. Hole for attaching cable clamp 15) Terminating resistor setting switch (Inside cover) ror G12505 For switching the terminating resistor for the RS-422/485 communication port to 330 Ω, 110 Ω, or OPEN (Default: 330 Ω) r installing a c mmunication unit or an option installation, install the GOT so that the Vertical ins arrow mark 18) ower input terminal, LG<sup>\*2</sup> terminal, FG termina 19) Power terminal Power input terminal, LG <sup>2</sup> terminal, FG terminal For communicating with a controller or connecting computer (Connector shape: RJ45 (modular jack)) SO/RD LED 00N: Data sent or received SO/RD LED 00FF: Data not sent or received SPEED LED 0FF: Communicating at 10 Mbps or SPEED LED 0FF: Communicating at 10 Mbps or 20) Ethernet interface Ethernet 21) communication status LED disconnected For communicating with a controller (Connector shape: D su 22) RS-232 interface pin (male)) 23) RS-422/485 For communicating with a controller (Connector shape: D su connecting personal computers (Connector shape: Min USB interface (Device/Back face) 24) ) only GT2510-VTWA/D, GT2508-VTWA/D) For fixing the GOT to the control panel to make the GOT sonform to the ATEX/KCs standard. only GT2510-VTWA/D) Special installation fitting mounting hole\*1 25) For enabling or disabling the access to the SD card when nserting/removing the SD card to/from the GOT (only
- Iter Specification /ervoltage tegory\*4 II or less llution degree 2 or less oling me Self-cooling ounding with a ground resistance of  $100 \Omega$  or less by using a grou-cable that has a cross-sectional area of 2 mm<sup>2</sup> or more. If impossible, connect the ground cable to the control panel. ounding
- UL Type 1<sup>\*9</sup> UL Type 1 or UL Type 4X (indoor use only)<sup>\*10</sup> ype rating \*1: The operating ambient temperature includes the temperature inside the
- The operating ambient temperature incourses the temperature inside the enclosure of the control panel to which the GOT is installed. La température ambiante de fonctionnement inclut la température à l'intérieur du boîtier du tableau de commande sur lequel le GOT est installé.
   \*2: When any of the following units and option is mounted on the GOT, the maximum operating ambient temperature must be 5°C lower than the one described above.
- maximum operating ambient temperature must be 5 C tower train one one described above. MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13) C-C-Link communication unit (GT15-J61BT13) Protective cover for oil Lors du montage du module ou de l'option suivant, la température ambiante de fonctionnement doit être réduite de 5°C par rapport aux valeurs maximales
- Michamientenia voi ere le technie o o o par repport aux veneurs inaximent dans les spécifications générales. Module de communication MELSECNET/H (GT15-J71LP23-25, GT15-J71BR13) Module de communication CC-Link (GT15-J61BT13) Couvercie de protection contre l'hulie
- Module de communication CocLink (G13-361B113)
   Couvercle de protection contre l'huile
   Do not use or store the GOT under pressure higher than the atmospheric pressure of altitude 0m (0ft.).Failure to observe this instruction may cause a
- Do hold use of balance fields of a plane balance in the antideprint of pressure of altitude 0m (0ft.). Failure to observe this instruction may cause a mafunction. When an air purge is made inside the control panel by adding pressure, there may be a clearance between the surface sheet and the screen making it difficult to use the touch panel, or the sheet may come off.
   This indicates the section of the power supply to which the equipment is assumed to be connected between the public electrical power distribution network and the machinery within the premises. Category II applies to equipment for which electrical power is supplied from fixed facilities. The surge voltage withstand level for up to the rated voltage of 300 V is 2500 V.
   This index indicates the degree to which conductive material is generated in the environment where the equipment is used.
   In pollution degree 2, only non-conductive pollution occurs but temporary conductivity may be produced due to condensation.
   Some models have ANSI/ISA12.12.01 approval for use in Class I, Division 2 (ANSI/ISA 12.12.02 z.22 No.213-M1987) hazardous locations. For the details, please contact your local sales office.
   When GT2505 or installed vertically, the operating ambient temperature must be between 0°C and 50°C.
   Chok in GT2502 M is a bacelite, barring the under the definition of a divertical is a verticale, la température ambiante de forctionnement doit ette 0 à 50°C.

- fonctionnement doit être 0 à 50°C. \*8: Only for GT2505-V, the absolute humidity must not exceed 90% at 40°C if the ambient temperature exceeds 40°C.



- screws or unit
  - **1. FEATURES**

- Abundant standard equipment

   Variety of connection with FA devices
   SD card interface compatible with the SDHC card having a large capacity and allowing high-speed communication
   Connection with various peripheral devices with the USB host
   Improved usphiltive

# Note: This symbol mark is for China only. 含有有害 6 物质的名称、含有量、含有部件 本产品中所含有的有害 6 物质的名称、含有量、含有部件如下表所示。 产品中有害物质的名称及含量

/ 加丁百日初次的石小灰百重						
				有害物质		
部件名称	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
电路板组件	×	0	0	0	0	0
树脂壳体、电缆、膜材	0	0	0	0	0	0
钣金部件、螺丝等金属部件	×	0	0	0	0	0

- 本表格依据 SI/T11364 的规定编制。 〇:表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要 或以下。 ×:表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的
- ☆ 下。 示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T26572 规定的 限量要求

# <u>Referenced Standard: GB/T15969.2</u> (Requirement of Chinese standardized law)

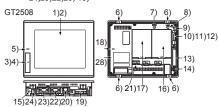
Before using the GOT Connect the connector of the GOT to the connector of the battery. For GT2505, the battery is connected to the GOT before shipment. Refer to the GOT2000 Series User's Manual (Hardware) for the connection

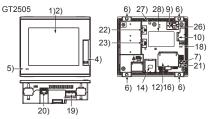
For details on the GOT specifications, installing instructions, wiring, maintenance and inspection, or checking procedure for the version and the compatible standard, refer to the GOT2000 Series User's Manual (Hardware).

Packing List The GOT product package includes the following:

Description	Quantity
GT25	1
Battery (GT11-50BAT) (Attached to the GOT)	1
Installation fitting	4
Gasket (for mounting the GOT on the control panel)	1 (only GT2505-VTBD)
GT25 General Description (This manual)	1
GT25 本体概要説明書	1
GOT2000 Series Supplementary Description (Compliance with the ATEX Directive)	1 (only GT2510-VTWD, GT2508-VTWD)
60T2000 시리즈 보충 설명 (KCs 지침 준수 )	1 (only GT2510-VTWD, GT2508-VTWD)







No.	Name	Description		
1)	Display screen	Displays the utility and the user-created screen		
2)	Touch panel	For operating the touch switches in the utility and the user- created screen		
3)	USB interface (Host/Front face)	For connecting a USB mouse, a USB keyboard, or a USB barcode reader, and transferring or saving data (Connector shape: TYPE-A) (only GT2512-STBA/D, GT2510- VTBA/D and GT2508-VTBA/D)		
4)	USB interface (Device /Front face)	For connecting a personal computer (Connector shape: Mini-B) (only GT2512-STBA/D, GT2510- VTBA/D, GT2508-VTBA/D and GT2505)		
5)	POWER LED	Lit in blue : Power is properly supplied Lit in orange : Screen saving Blinks in orange/blue : Backlight failure Not lit : Power is not supplied		

20)	switch	removed.) OFF: SD card is not accessed. (The SD card can be removed.)
27)	Preventive hole from removing for the USB cable	Hole fixed with banding band or others as a prevention from removing for the USB cable
28)	Rating plate	-

GT2505

\*1: Special installation fittings are sold separately. If you need the special installation fittings, consult your local sales office.
\*2: GT2505 does not have the LG terminal.

### 3. Specifications

### 3.1 General Specifications

Item			Specifi	cations		
Operating ambient temperature <sup>1</sup> 0 to 55°C' <sup>277</sup> Température 0 à 55°C' <sup>277</sup> ambiante de 0 à 55°C' <sup>277</sup> fonctionnement <sup>17</sup>						
Storage ambient temperature	-20 to 60°C					
Operating ambient humidity	10 to 90% RH, non-condensing*8					
Storage ambient humidity	10 to 90% RH, non-condensing <sup>*8</sup>					
			Frequency	Acceleration	Half- amplitude	Sweep count
	Compliant with JIS B 3502 and IEC 61131-2	Under intermittent vibration	5 to 8.4 Hz	-	3.5 mm	10 times each in X,
Vibration resistance			8.4 to 150 Hz	9.8m/s <sup>2</sup>	-	Y and Z directions
		Under continuous vibration	5 to 8.4 Hz	-	1.75 mm	
			8.4 to 150 Hz	4.9m/s <sup>2</sup>	-	-
Shock resistance Compliant with JIS B 3502 and IEC 61131-2 147 m/s <sup>2</sup> (150 3 times each in X, Y and Z directions					(15G),	
Operating atmosphere*6 No greasy fumes, corrosive gas, flammable gas, exces conductive dust, and direct sunlight (Same as storage atmo						
Operating altitude*3	3 2000 m (6562 ft) max.					
Installation location	Inside control panel					

\*10:GT2505 is for use on a flat surface of a Type 1 or Type 4X (indoor use only) enclosure.

specifications of each GOT.

#### 3.2 Power Supply Specifications

The following indicates the power supply specifications for GT25

Operation at momentary failure	
· If an instantaneous power failure occurs in the power supply and continues for	more
than the permissible period, the GOT will be reset.	

Make sure to power on the unit more than 5 seconds after power-off.

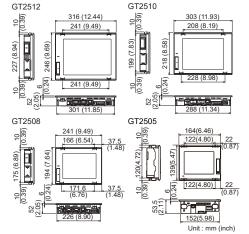
#### 3.2.1 For GOTs powered from the 100 to 240VAC power supply

<b></b>		Specifications			
	Item	GT2512-STBA	GT2510-VTBA, GT2510-VTWA	GT2508-VTBA, GT2508-VTWA	
Power si	upply voltage	Power supply volt	age AC100 to 240\	/AC (+10%, -15%)	
Power fr	equency		50/60Hz ± 5%		
Max. ap	parent power	80VA	80VA	70VA	
-	maximum load	35W or less	34W or less	31W or less	
Power	Stand alone	14W	12W	11W	
ption	Stand alone with backlight off	7W	7W	7W	
Inrush c	urrent	60A or less (2ms, operating ambient temperature 25, maximum load)			
Allowabl failure tir	e momentary power me	20 ms or less (100VAC or more)			
Noise im	nmunity	1,500Vp-p noise voltage, $1\mu$ s noise width (when measuring with a noise simulator under 25 to 60Hz noise frequency)			
Dielectri	c withstand voltage	1500VAC for 1 min	nute across power t	erminals and earth	
Insulation resistance		10M or more across power terminals and earth by a 500V DC insulation resistance tester			
Applicab	le wire size	0.75[mm <sup>2</sup> ] to 2[mm <sup>2</sup> ]			
Applicab	le solderless terminal	Solderless terminal for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A			
	ele tightening torque al block terminal screw)	0.5[N•m] to 0.8[N•m]			

## 3.2.2 For GOTs powered from the 24VDC power

	suppiy					
		Specifications				
Item		GT2512- STBD	GT2510- VTBD, GT2510- VTWD	GT2508- VTBD, GT2508- VTWD	GT2505-VTBD	
Power supply voltage		DC24 V (+25%, -20%)			DC24 V (+10%, -15%)	
Power	maximum load	37 W or less	33 W or less	31 W or less	8.4 W or less	
consum	Stand alone	13 W	10 W	8 W	4.3 W	
ption	Stand alone with backlight off	6 W	6 W	6 W	2.6 W	
Inrush current		5 A or less (20 ms, operating ambient temperature 25, maximum load)			42 A or less (2 ms, operating ambient temperature 25, maximum load)	
Allowable momentary power failure time		10 ms or less				
Noise immunity		500 Vp-p noise voltage, $1\mu$ s noise width (when measuring with a noise simulator under 25 to 60 Hz noise frequency)			1000 Vp-p noise voltage, 1μs noise width (when measuring with a noise simulator under 30 to 100 Hz noise frequency)	
Dielectric withstand voltage		350 V AC for 1 minute across power terminals and earth 500 V AC for minute across terminals and				
Insulation resistance		10 M or more across power terminals and earth by a 500 V DC insulation resistance tester				
Applicabl	le wire size			[mm <sup>2</sup> ] to 2[r		
	le solderless terminal	Solderless		r M3 screw N3A, FV2-N	RAV1.25-3, V2-S3.3, I3A	
Applicable tightening torque (Terminal block terminal screw)		0.5[N•m] to 0.8[N•m]				

## 3.3 External Dimensions



#### 4. EMC AND LOW VOLTAGE DIRECTIVE

For electromagnetic compatibility (EMC) and electrical safety, regulatory standards are established in each country. Especially, for the products to be sold in European countries, conformance to the EMC Directive, which is one of the European Directives, has been mandatory as the EMC standards since 1996. In addition, conformance to the Low Voltage Directive, another European Directive, has also been mandatory as the electrical safety standards since 1997. since 1997

In European countries, if a product meets the requirements of the EMC

In European countries, if a product meets the requirements of the EMC Directive or the Low Voltage Directive, the product's manufacturer must declare conformity of the product and affix the CE mark to the product. In some countries or regions other than European countries, the product's manufacturer also must declare conformity of the product and affix a designated mark to the product (example: UKCA mark in the UK). • Authorized representative in the EU and the UK The authorized representative in the EU and the UK shown Mark Single Control and the UK shown below. Name Mitsubishi Electric Europe BV Address Mitsubishi Electric Platz 1, 40882 Ratingen, Germany This section describes the EMC Directive and Low Voltage Directive as examples for conformance to EMC and electrical safety standards. EMC and electrical safety standards in each country are stipulated to be consistent with the corresponding international standards. When the requirements are consistent with the same standards, common measures are taken to conform to the standards in different countries. For the EMC Directive, regulatory compliance with equivalent EMC

standards are required for example in the UK and Korea. For the Low
Voltage Directive, regulatory compliance with equivalent electrical safety
standards are required for example in the LIK

#### 4.1 Requirements to Meet EMC Directive

4.1 Kequirements to Meet LMC Directive EMC Directives are those which require "any strong electromagnetic force is not output to the external. Emission (electromagnetic wave from the external.: Immunity (electromagnetic sensitivity)". Items4.1.1 through4.1.3 summarize the precautions to use GOT and configure the mechanical unit in order to match the EMC directives. Though the data described herein are produced with our best on the basis of the requirement items and standards of the restrictions gathered by Mitsubishi Electric, they do not completely guaranteed that all mechanical unit manufactured according to the data do not always match the above. match the above

# 4.1.1 EMC directive The standa

	ndards of the EMC Directive are shown below.						
ied ard	Test standard	Test details	Standard value				
31-2	CISPR16-2-3 Radiated noise <sup>*1</sup>	Electromagnetic emissions from the product are measured.	30 M-230 MHz QP: 30 dB <sub>μ</sub> V/m (30 m in measurement range)*2, *3 230 M-1000 MHz QP: 37 dB <sub>μ</sub> V/m(30 m in measurement range)*2, *3				
	CISPR16-2-1 Conducted noise <sup>*1</sup>	Electromagnetic emissions from the product to the power line is measured.	150 k-500 kHz QP: 79 dB, Mean: 66 dB <sup>*2</sup> 500 k-30 MHz QP: 73 dB, Mean: 60 dB <sup>*2</sup>				
	IEC61000-4-2 Electrostatic immunity <sup>*1</sup>	Immunity test in which static electricity is applied to the cabinet of the equipment.	$\pm$ 4 kV Contact discharge $\pm$ 8 kV Aerial discharge				
	IEC61000-4-3 Radiated electromagnetic field AM modulation	Immunity test in which field is irradiated to the product.	80-1000 MHz: 10V/m 1.4-2 GHz: 3V/m 2.0-2.7 GHz: 1V/m 80%AM modulation@1kHz				
	Fast transient burst noise <sup>*1</sup> which burst noise is applied to the power line and signal lines.		Power line: 2 kV Digital I/O: 1 kV Analog I/O: 1 kV Signal lines: 1 kV				
	IEC61000-4-5 Surge immunity <sup>*1</sup>	Immunity test in which lightening surge is applied to the product.	AC power type Power line (between line and ground): $\pm 2 kV$ Power line (between lines) $\pm 1 kV$ Data communication port $\pm 1 kV$ DC power type Power line (between line and ground): $\pm 0.5 kV$ Power line (between lines) $\pm 2.05 kV$ Data communication port $\pm 1 kV$				
	IEC61000-4-6 Conducted RF immunity <sup>*1</sup>	Immunity test in which a noise inducted on the power and signal lines is applied.	Power line: 10 V Data communication port: 10 V				
	IEC61000-4-8 Power supply frequency magnetic field immunity	Test for checking normal operations under the circumstance exposed to the ferromagnetic field noise of the power supply frequency (50/60 Hz).	30 A/m				
	IEC61000-4-11 Instantaneous power failure and voltage dips immunity	Test for checking normal operations at instantaneous power failure.	AC power type 0.5 cycle 0% (interval 1 to 10s) 250/300 cycle 0% 10/12 cycle 40% 25/30 cycle 70%				
GOT	is an open type de	vice (device installe	to another device) and mus				

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.
 CP (Quasi-Peak): Quasi-peak value, Mean: Average value
 The above test items are conducted in the following conditions. 30 M-230 MHz OP: 40 dB<sub>µ</sub>/V/m (10 m in measurement range) 230 M-1000 MHz OP: 47 dB<sub>µ</sub>/V/m (10 m in measurement range)

#### 4.1.2 Control panel

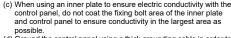
N6113 2007

The GOT is an open type device (device installed to another device) and must be installed in a conductive control panel. It not only assure the safety but also has a large effect to shut down the noise generated from GOT, on the control panel. (1) Control Panel

(a) The control panel must be conductive

(b) When fixing a top or bottom plate of the control panel with bolts, do not coat the plate and bolt surfaces so that they will come into

And connect the door and box using a thick grounding cable in order to ensure the low impedance under high frequency.



- (d) Ground the control panel using a thick grounding cable in order to ensure the low impedance under high frequency. (e) The diameter of cable holes in the control panel must be 10cm (3.94 in.). In order to reduce the chance of radio waves leaking out, ensure that the space between the control panel and its door is small as possible. Paste the EMI gasket directly on the painted surface to seal the space so that the leak of electric wave can be suppressed.
- Our test has been carried out on a panel having the damping characteristics of 37 dB max. and 30 dB mean (measured by 3 m method with 30 to 300 MHz)
- (2) Connection of power and ground wires Ground and power supply wires for the GOT must be connected as described below.
  - (a) Provide a grounding point near the GOT. Short-circuit the LG and FG terminals of the GOT (LG: line ground, FG: frame ground) and ground them with the thickest and shortest wire possible (The wire length must be 30 cm (11.81 in.) or shorter.) The LG and FG terminals function is to pass the noise generate in the PC system to the ground, so an impedance that is as low as possible must be ensured. As the wires are used to relieve the noise, the wire itself carries a large noise content and thus short wiring means that the wire is prevented from acting as an

Note) A long conductor will become a more efficient antenna at

- high frequency. (b) The earth wire led from the earthing point must be twisted with
- The earth we red not the earthing point thus be wised with the power supply wires. By twisting with the earthing wire, noise flowing from the power supply wires can be relieved to the earthing. However, if a filter is installed on the power supply wires, the wires and the earthing wire may not need to be twisted.

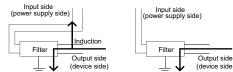
## 4.1.3 Noise filter (power supply line filter)

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.) Usage of the following filters is recommended.

Model name	FN343-3/05	FN660-6/06	RSHN-2003
Manufacturer	SCHAFFNER	SCHAFFNER	TDK
Rated current	3 A	6 A	3 A
Rated voltage		250 V	

The precautions required when installing a noise filter are described

(1) Do not install the input and output cables of the noise filter together to prevent the output side noise will be inducted into the input side cable where noise has been eliminated by the noise filer.



 Separate the input cable from the output cable. Installing the input and output cables together will cause noise induction.

(2) Connect the noise filter's ground terminal to the control panel with the shortest cable as possible (approx. 10 cm (3.94 in.) or less).

#### 4.2 Requirements for Compliance with the Low Voltage Directive

The Low Voltage Directive requires each device which operates with power supply ranging from 50 V AC to 1000 V and 75 V DC to 1500 V to atisfv nec

y necessary safety items. Sections from 4.2.1 to 4.2.5, cautions on installation and wiring of the GOT to conform to the Low Voltage Directive requires are described. We have put the maximum effort to develop this material based on the requirements and standards of the Directive that we have collected. However, compatibility of the devices which are fabricated according to the contents of this manual to the above Directive is not guaranteed. Each manufacturer who fabricates such device should make the final judgement about the application method of the Low Voltage Directive atibility. and the product comp

#### 4.2.1 Standard subject to GOT

Standard applied to GOT : EN61131-2 Programmable controllers - Equipment requirements and tests Pollution level 1: An environment where the air is dry and conductive dust does not exist. Pollution level 2: An environment where conductive dust does not usually exist, but occasional temporary conductivity occurs due to the accumulated dust. Generally, this is the level for inside the control pane equivalent a control room or on the floor of a typical factory. Pollution level 3: An environment where conductive dust exits and

**4.2.2 Power supply** The insulation specification of the GOT was designed assuming installation category II. Be sure to use the installation category II power

The installation category indicates the durability level against surge voltage generated by lightning strike. Category I has the lowest durability; category IV has the highest

Category IV Category III Category II Category I

cause the GOT is open type equipment (device designed to be stored within another device), be sure to use it only when installed in a control

In order to prevent those who are unfamiliar with power facility, e.g., an operator, from getting a shock, make sure to take the following

(a) Store the GOT within the control panel locked, and allow only those who are familiar with power facility to unlock the panel.
(b) Build the structure in order that the power supply will be shut off

(2) Dustproof and waterproof features
 The control panel also provides protection from dust, water and other substances. Insufficient ingression protection may lower the

The insulation in the GOT is designed to cope with the pollution level

insulation withstand voltage, resulting in insulation destruction

2, so use in an environment with pollustion level 2 or better.

Installation category Category II indicates a power supply whose voltage has been reduced by two or more levels of isolating transformers from the public power

9

supply to the GOT.

durability

distribution.

nanel

4.2.3 Control panel

measures on the control panel.

when the control panel is opened.

(1) Shock Protection

conductivity may be generated due to the accumulated dust An environment for a typical factory floor.

Continuous conductivity may occur due to rain, snow, etc. An outdoor environment. Pollution level 4:

#### 4.2.4 Grounding able ground terminals. Use them in the grounded The following are appli

state ... e sure to ground the GOT for ensuring the safety and complying with the EMC Directive.

Functional grounding \_\_: Improves the noise resistance

## 4.2.5 External wiring

- External devices When a device with a hazardous voltage circuit is externally connected to the GOT, select a model which complies with the Low Voltage Directive's requirements for isolation between the primary and secondary circuits.
- (2) Insulation requirements Dielectric withstand voltages are shown in the following table. Reinforced Insulation Withstand Voltage

(Installation Category II, source : IEC664)

Rated voltage of hazardous voltage area	Surge withstand voltage (1.2/50 $\mu$ s)
150 VAC or below	2500 V
300 VAC or below	4000 V

## 5. INSTALLATION

#### **Control Panel Inside Dimensions for** 5.1

Mounting GOT 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.

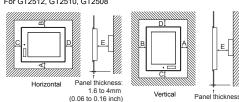
2 Panel Cu	tting Dime	ensio	ns		
		*Panel	thickness :		
		GOT	Α	(0.06 to 0	C 16 Inch
	СВС	GT 2512	302 (11.89) +2 (0.08) 0 (0)		
ھ		⊄ GT 2510	289 (11.38) +2 (0.08) 0 (0)	200 (7.87) +2 (0.08) 0 (0)	10
Horizontal		GT 2508	227 (8.94) +2 (0.08) 0 (0)	176 (6.93) +2 (0.08) 0 (0)	(0.39) or more
		GT 2505	153 (6.02) +2 (0.08) 0 (0)	121 (4.76) +2 (0.08) 0 (0)	

## When mounting the GOT, the following clearances must be maintained

Point

When Houring the GOT, the bildwing behavious the Haintained from other structures and devices. Some cables may need to be longer than the specified dimensions when connecting to the GOT. Therefore, consider the connector dimensions and bending radius of the cable as well for installation. For the lead-in allowance for cables at the bottom of the GOT, refer to the GOT2000 Series User's Manual (Hardware). For the vertical installation, install the GOT so that the vertical installation arrow printed on the GOT rear face points upward. For GT2512 GT2510.

For GT2512, GT2510, GT2508



	Network communication unit fitted	48(1.89) or m [18(0.71) or m	-			
	CC-Link IE Field Network communication unit fitted		48(1.89) or more [18(0.71) or more]			
A	Printer unit fitted	48(1.89) or me [18(0.71) or me	-			
	External I/O unit fitted	48(1.89) or me [18(0.71) or me	-			
	Sound output unit fitted		48(1.89) or more [18(0.71) or more]			
				Horizontal: 80(3.15)		
в		Horizontal: 78(3.07) [18(0.71) or me Vertical: 48(1.89) o [18(0.71) or me	or more [20(0.79) or more] Vertical: 50(1.97) or more			
				[20(0.79) or more] Horizontal		
	When the SD card is used	50(1.97) or more [20(0.79) or more]				
С	When the SD card is not used	50(1.97) or more [20(0.79) or more]		[20(0.79) or more] Vertical: 80(3.15) or more [20(0.79) or more]		
D		Horizontal: 50(1.97) or more [20(0.79) or more] Vertical: 80(3.15) or more [20(0.79) or more]		50(1.97) or more [20(0.79) or more]		
E <sup>*3</sup>		100 [20(				
*1: TI F	1: This value is for use of the coaxial cable 3C-2V (JIS C 3501). For specifications of the cable, refer to the GOT2000 Series Connection Manual					

for a controller used. This value differs der

sed. depending on the cable used. r closing the battery cover: 72(2.83) or more

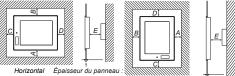
5.4 Control Panel Inside Temperature and

Installation Angle

Installing the GOT or a panel, set the display section as shown below. Using the GOT with the installation angle other than the following deteriorates the GOT earlier. Installing the GOT notizontally When installing the GOT with the installation angle between 60 to 105°, the temperature inside the control panel must be within 55°C. When installing the GOT with the installation angle other than between 60 to 105°, the temperature inside the control panel must be within 40°C. Installing the GOT verticelly

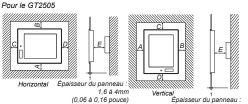
within 40°C. Installing the GOT vertically When the GOT is installed a 90° angle, the control panel inside temperature must be within 55°C<sup>-1</sup>. When the GOT is installed at any angle other than 90°, the control panel inside temperature must be within 40°C.

5.3 Position de montage D.3 POSITION de montage Lors du montage du GOT, laissez les espaces suivants pour les autres structures et dispositifs. Certains câbles peuvent être plus longs que les dimensions spécifiées lors de la connexion au GOT. Par conséquent, prenez également en compte les dimensions du connecteur et le rayon de courbure du câble pour l'installation. Pour connaître l'espace à laisser pour les câbles sous le GOT, référez-vous au manuel GOT2000 Series User's Manual (Hardware). Pour l'installation à la verticale installar le GOT de sorte que la flèche d'installation à la verticale imprimée sur la face arrière du GOT pointe vers le haut.



Vertica (0,06 à 0,16 pouce)





1,6 à 4mn (0,06 à 0,16 pouce)

Laissez les espaces entre le GOT et les autres dispositifs en fonction des dimensions contenues dans le tableau suivant. Les valeurs entre parenthèses s'appliquent au cas où aucun dispositif générant des émissions sonores (comme un contacteur) ou de la chaleur n'est installé près du GOT. Toutefois, maintenez la température ambiante du GOT à 55°C ou moins. Unité- mm (pouce)

Article nd la carte SD est util 50 (1.97) ou plus 50 (1.97 [20 (0,79) ou plus] (1.97) ou plu ou plus [20 (0,79) ou plus] Vertical: 80 uand la carte SD n'est 50 (1.97) ou plus pas utilisée [20 (0,79) ou plus] (3,15) ou plus [20 (0,79) ou

GT2512 GT2510 GT2508

plus]

Horizontal: 50 (1,97) ou plus Torizontal: 50 (1,97) ou plus [20 (0,79) ou plus] Vertical: 80 (3,15) ou plus [20 (0,79) ou plus] 100 (3,94) ou p 50 (1,97) ou D plus [20 (0,79) ou plus] F\*3

E<sup>3</sup> [20 (0,79) ou plus] \*1: Cette valeur est utilisée pour le câble coaxial 3C-2V (JIS C 3501, Pour connaître les spécifications du câble, référez-vous au manuel GOT2000

Series Connection Manual for a controller used. \*2: Cette valeur diffère selon le câble utilisé.

\*3: Pour ouvrir ou fermer le couvercle de la batterie : 72 (2,83) ou plus

5.4 Température intérieure et angle

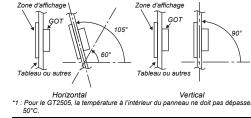
d'installation du tableau de commande Lors de l'installation du GOT sur un panneau, réglez la zone d'affichage comme indiqué ci-dessous. Si l'angle d'installation est différent de celui indiqué, le GOT se détériore

plus tôt Installation du GOT à l'horizontale

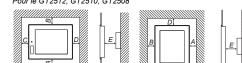
Istaliation du GOT à la riforzontale Lors de l'installation du GOT avec un angle d'installation compris entre 60 et 105°, la température à l'intérieur du tableau de commande doit être d'environ 55°C. Lors de l'installation du GOT avec un angle d'installation non compris entre 60 et 105°, la température à l'intérieur du tableau de commande doit être d'environ 40°C. stallation du GOT à la verticale

Installation du GOT à la verticale

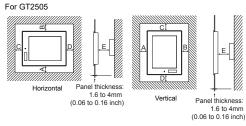
stalation du GOT a la verticale Lors de l'installation du GOT avec un angle de 90°, la température à l'intérieur du panneau de commande ne doit pas dépasser 55°C<sup>1</sup>. Lors de l'installation du GOT avec tout autre angle que 90°, la température à l'intérieur du panneau de commande ne doit pas dépasser 40°C.



ers le haut Pour le GT2512, GT2510, GT2508

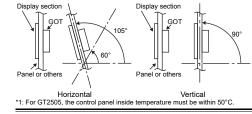






According to the dimensions in the following table, leave clearances between the GOT and the other devices. The values enclosed in square brackets apply to the case where no other equipment generating radiated noise (such as a contactor) or heat is installed near the GOT. However, keep the ambient temperature of the GOT to 55°C or lowe Unit: mm(inch)

<b>—</b>	Item	GT2512	GT2510	GT2508	GT2505
	GOT only	48(1.89) or more [18(0.71) or more] [29(1.14) or more]			50(1.97) or more [20(0.79) or more]
А	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 23(0.5 or more 28(1.89) or more 28(1.89)			-
	Serial connection unit is fit- ted	48(1.89) or more [18(0.71) or more]			-
	CC-Link communication unit (GT15-J61BT13) fitted	48(1.89) or more [18(0.71) or more]			-
	MELSECNET/H communi- cation 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 <sup>*2</sup>	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]			-



## 5. INSTALLATION

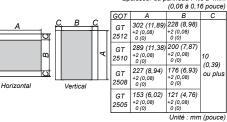
5.1 Dimensions intérieures du tableau de commande pour le montage du GOT Installez le GOT sur le tableau de commande en laissant de l'espace pour le dispositif à l'intérieur du tableau de commande. N'installez pas le GOT et le module dans des zones où l'installation est interdite

#### Câble applicable

Construint câbles peuvent être plus longs que les dimensions spécifiées lors de la onnexion au GOT. Par conséquent, prenez également en compte les dimensions du onnecteur et le rayon de courbure du câble pour l'installation.

#### 5.2 Cotes de découpe du panneau

\*Épaisseur du p 1.6 à 4mm



	Article	GT2512	GT2510	GT2508	GT2505
	GOT uniquement	[18 (0,71	) ou plus ) 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 encastrée	48 (1,89) ou plus [18 (0,71) ou plus]			-
А	Unité de connexion de bus encastrée			23 (0,91) ou plus [29 (1,14) ou plus]	-
	Unité de connexion série encastrée	48 (1,89) ou plus [18 (0,71) ou plus]			-
	Module de communication CC-Link (GT15-J61BT13) encastré	[18	(1,89) ou p (0,71) ou p		-
	Module de communication MELSECNET/H (coaxial) encastré <sup>*1</sup>	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) encastré <sup>*2</sup>	48 (1,89) ou plus [18 (0,71) ou plus]			-
	Module de communication CCLink IE TSN encastré	48 [18	-		
	Module de communication réseau de contrôleur CC- Link IE encastré		(1,89) ou p (0,71) ou p	-	
	Module de communication réseau de champ CC-Link IE encastré	48 (1,89) ou plus [18 (0,71) ou plus]			-
A	Imprimante encastrée	48 (1,89) ou plus [18 (0,71) ou plus]			-
	Module d'E/S externe encastré	48 (1,89) ou plus [18 (0,71) ou plus]			-
	Module de sortie acous- tique encastré	48 (1,89) ou plus [18 (0,71) ou plus]			-
В		[18] Vertica	al: 78 (3,07, (0,71) ou p l: 48 (1,89) (0,71) ou p	lus] ou plus	Horizontal: 80 (3,15) ou plus [20 (0,79) ou plus] Vertical: 50 (1,97) 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.

#### Warranty

Mitsubishi Electric will not be held liable for damage caused by factors found not to be the cause of Mitsubishi Electric: machine damage or lost profits caused by faults in the Mitsubishi Electric products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi Electric: damages to products other than Mitsubishi Electric products; and to other duties.

#### **▲** For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to
- Before using the product for special purposes such as nuclear power. electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi Electric
- This product has been manufactured under strict quality control However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

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