

●SAFETY PRECAUTIONS●

(Always read these precautions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The precautions given in this manual are concerned with this prod-

In this manual, the safety precautions are ranked as "WARNING" and "CAUTION".

GOT2000

Indicates that incorrect handling may cause **WARNING** hazardous conditions, resulting in death or severe injury.

IB(NA)-0800502ENG-H(1608)MEE

Indicates that incorrect handling may cause Azardous conditions, resulting in medium or slight personal injury or physical damage.

Note that the ACAUTION level may lead to a serious accident according to the circumstances.

Always follow the instructions of both levels because they are important to personal safety. Please save this manual to make it accessible when required and

always forward it to the end user.

[DESIGN PRECAUTIONS]

△ WARNING

- Some failures of the GOT, communication unit or cable may keep the outputs on or off. Some failures of a touch panel may cause malfunction of the input objects Some influence or a cook parameter, such as a fouch switch.

 An external monitoring circuit should be provided to check for output signal which may lead to a serious accident.
- Not doing so can cause an accident due to false output or malfunction. Do not use the GOT as the warning device that may cause a serious accident.
 An independent and redundant hardware or mechanical interlock is required
- to configure the device that displays and outputs serious warning. Failure to observe this instruction may result in an accident due to incorrect output or malfunction.
- The GOT backlight failure disables the operation on the touch switch(s). When the GOT backlight has a failure, the POWER LED blinks (orange/b and the display section dims. In such a case, the input by the touch switc is disabled.
- The display section of the GOT is an analog-resistive type touch panel. The GOT is multi-touch compliant, however, do not touch three points or more simultaneously on the display section. Doing so may cause an accident due to incorrect output or malfunction.
- When programs or parameters of the controller (such as a PLC) that is monitored by the GOT are changed, be sure to reset the GOT, or turn on the unit again after shutting off the power as soon as possible.

 Not doing so can cause an accident due to false output or malfunction.
- To coming access cases an access that each to the common control of the communication fault (including cable disconnection) occurs during monitoring on the GOT, communication between the GOT and PLC CPU is suspended and the GOT becomes inoperative.

 For bus connection: The CPU becomes faulty and the GOT becomes

inoperative.

For other than bus connection : The GOT becomes inoperative.

A system where the GOT is used should be configured to perform any A system where the GOI is used should be configured to perform any significant operation to the system by using the switches of a device other than the GOT on the assumption that a GOT communication fault will occur. Not doing so can cause an accident due to false output or malfunction.

⚠ WARNING

- Products with the CI.I, 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.

 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.

 Warning Explosion Hazard Substitution of any component may impair suitability for Class I, Division 2.

 Warning Explosion Hazard Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.

 The side interface, extension interface, and auxiliary extension interface of this equipment cannot be used in Class I, Division 2 environments.

- Les produits marqués C.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 présence de gaz, vapeurs ou liquides inflammables.

 Si le produit est utilisé en environnement de Class I, Division 2, observer les présulties estimates que rédurale prisue d'évaples que de l'appendie prisue d'évaples prisue prisue d'évaples p Produit est duitse en environnement de Class I, Division 2, doserve 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
- Cet appareil est de type ouvert et il doit être installé dans une enceinte appropriée à l'environnement en pe pouvant être ouverte qu'au moyen d'une clé ou d'un outil.
 Avertissement Danger d'explosion Toute substitution de composant peut compromettre l'aptitudé à l'utilisation en Class I, Division 2.
 Avertissement Danger d'explosion Ne pas déconnecter l'équipement quand le circuit est sous tension, ni avant de d'être assuré de l'absence d'atmosphère inflammable.
 L'Interface latérale, l'Interface d'extension et l'interface d'extension secondaire de cet équipement ne peuvent être utilisées dans les environnements de Classe I, Division 2.

△ CAUTION

- 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 minir of 100mm apart. 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 display.
- driver.

 Doing so can result in a damage or failure of the display section. Loung so can result in a damage or failure of the display section. When the GOT is connected to the Ethernet network, the available IP address 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 error 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.

[MOUNTING PRECAUTIONS]

⚠ WARNING

- 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 the unit to fail or malfunction. Be sure to shut off all phases of the external power supply used by the system before mounting or removing the option unit onto/from the GOT.

△ CAUTION

- described in this manual. Not doing so can cause an electric shock, fire, malfunction or product damage or deterioration. When mounting the GOT to the control panel, tighten the mounting screws in the specified torque range (0.36 N-m to 0.48 N-m) with a Phillips-head screwdriver No.2.
- ewdriver No.2. dertightening can cause the GOT to drop, short circuit or malfunction. ertightening can cause a drop, short circuit or malfunction due to the nage of the screws or the GOT.
- damage of the screws or the GOT.

 When mounting a unit on the GOT, tighten the mounting screws in the following specified torque range.

 When loading the communication unit or option unit other than wireless LAN unit to the GOT, fit it to the connection interface of the GOT and tighten the mounting screws in the specified torque range (0.36 N·m to 0.48 N·m) with a Phillips-head screwdriver No.2.

 When loading the wireless LAN unit to the GOT, fit it to the side interface of GOT and tithout he mounting screws in the specified torque range (0.10).
- when loading the wireless LAM will to the GOT, in the or is side interlace. GOT and tighten the mounting screws in the specified torque range (0.10 N-m to 0.14 N-m) with a Phillips-head screwdriver No.1. When the GOT is installed vertically, its side interface is positioned on the bottom. To prevent the falling of the wireless LAN communication unit from the side interface, install or remove the unit while holding it with hands. Under tightening can cause the GOT to drop, short circuit or malfunction. Overtightening can cause a drop, failure or malfunction due to the damage of the screws or unit.

△ CAUTION

- When closing the USB environmental protection cover, fix the cover to the GOT by pushing the [PUSH] mark on the latch firmly to comply with the protective structure.

 Remove the protective film of the GOT.
 When the user continues using the GOT with the protective film, the film may not be removed. In addition, for the models equipped with the human sensor function, using the GOT with the protective film may cause the human sensor not to function properly
 Operate and store the GOT in environments without direct sunlight, high temperature, dust, humidity, and vibrations.
- When using the GOT in the environment of oil or chemicals, use the protective cover for oil. Failure to do so may cause failure or malfunction to the oil or chemical entering into the GOT.

[WIRING PRECAUTIONS]

△ WARNING

Be sure to shut off all phases of the external po มอ งและ เบ งแนเ เมา all pnases of the external power supply used by system before wiring. Failure to do so may result in an electric shock, product damage or malfunctions.

△ CAUTION

- Make sure to ground the FG terminal and LG terminal of the GOT power supply section to the protective ground conductors dedicated to the GOT will a ground resistance of 100 Ω or less.
- When tightening the terminal screws, use a Phillips-head screwdriver No.2. which are not to be used must be tightened always at torqu
- Terminal screws which are not to be used must be tightened always at t 0.5 N·m to 0.8 N·m.

 Otherwise there will be a danger of short circuit against the solderless terminals.
- terminals.

 Use applicable solderless terminals and tighten them with the specified torque. If any solderless spade terminal is used, it may be disconnected when the terminal screw comes loose, resulting in failure.

 Correctly wire the GOT power supply section after confirming the rated voltage and terminal arrangement of the product.

 Not doing so can cause a fire or failure.
- Tighten the terminal screws of the GOT power supply section in the specified torque range (0.5 Nm to 0.8 Nm). Undertightening can cause a short circuit or malfunction. Overtightening can cause a short circuit or malfunction of the damage of the screws or the GOT.
- the damage of the screws or the GOT. Exercise care to avoid foreign matter such as chips and wire offcuts entering the GOT. Not doing so can cause a fire, failure or malfunction. The module has an ingress prevention label on its top to prevent foreign matter, 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 dissipation.
- uo pueu mis iapei pecause of heat dissipation.

 Plug the communication cable into the GOT interface or the connector of the connected unit, and tighten the mounting screws and the terminal screws in the specified torque range. Undertightening can cause a short circuit or malfunction. Overtightening can cause a short circuit or malfunction due to the damage of the screws or unit.
- Plug the QnA/ACPU/Motion controller(A series) bus connection cable by inserting it into the connector of the connected unit until it "clicks". After plugging, check that it has been inserted snugly. Not doing so can cause a malfunction due to a contact fault.

[TEST OPERATION PRECAUTIONS]

Before performing the test operations of the user creation monitor screen (such as turning ON or OFF bit device, changing the word device current value, changing the settings or current values of the timer or counter, and changing the buffer memory current value), read through the manual carefully and make yourself familiar with the operation method. During test operation, never change the data of the devices which are used to perform significant operation for the system.

ISTARTUP/MAINTENANCE PRECAUTIONS1

△ WARNING

- When power is on, do not touch the terminals.

 Doing so can cause an electric shock or malfunction
- Doing so can cause an electric shock or malfunction. Correctly connect the battery connector. Do not charge, disassemble, heat, short-circuit, solder, or throw the battery into the fire Doing so will cause the battery to produce heat, explode, or ignite, resulting in injury and fire. Before starting cleaning or terminal screw retightening, always switch off the power externally in all phases. Not switching the power off in all phases can cause a unit failure or malfunction. Undertightening can cause a short circuit or malfunction. Overtightening can cause a short circuit or malfunction due to the damage of the screws or unit.

△ CAUTION

- Do not disassemble or modify the unit.
 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 car cause a malfunction due to a cable connection fault.

△ CAUTION

- Do not drop the module or subject it to stro
 - 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 th
 battery.If the battery is dropped or given an impact, dispose of it without
- Before touching the unit, always touch grounded metals, etc. to discharge
- static electricity from human body, etc. Not doing so can cause the unit to fail or malfunction.
- Use the battery manufactured by Mitsubishi Electric Corporation.
 Use of other batteries may cause a risk of fire or explosion.
 Dispose of used battery promptly.
 Keep away from children. Do not disassemble and do not dispose of in fire.
- Reep away from intellection of disassemble and do not dispose on finite.

 Be sure to shut off all phases of the external power supply before replacing the battery or using the dip switch of the terminating resistor. Not doing so car cause the unit to fail or malfunction by static electricity.

[TOUCH PANEL PRECAUTIONS]

USE]

△ CAUTION

- For the analog-resistive film type touch panels, normally the adjustment is no required. required.

 However, the difference between a touched position and the object position may occur as the period of use elapses.

 When any difference between a touched position and the object position occurs, execute the touch panel calibration.
- When any difference between a touched position and the object position occurs, other object may be activated.

 This may cause an unexpected operation due to incorrect output or malfunction.

[PRECAUTIONS WHEN THE DATA STORAGE IS IN

⚠ WARNING

If the SD card is removed from drive A of the GOT while being accessed by the GOT, the GOT may stop processing data for about 20 seconds. The GOT cannot be operated during this period. The functions that run in the background including a screen updating, alarm, logging, scripts, and others are also interrupted. Since this interruption makes an impact to the system operation, it might cause failure. After checking the light off SD card access LED, remove the SD card.

△ CAUTION

- If the data storage is removed from the GOT while being accessed by the GOT, the data storage and files may be damaged Before removing the data storage from the GOT, check the SD card access LED, system signal, or others to make sure that the data storage is not accessed.

 Turning off the GOT while it accesses the SD card results in damage to the SD card and files.

- When inserting a SD card into the GOT, make sure to close the SD card cover. Failure to do so causes the data not to be read or written. When removing the SD card from the GOT, make sure to support the SD card by hand as it may pop out. Failure to do so may cause the SD card to drop from the GOT, resulting in a failure or break.
- from the GO1, resulting in a failure or break. When inserting a USB device into a USB interface of the GOT, make sure to insert the device into the interface firmly.Failure to do so may cause the USB device to drop from the GOT, resulting in a failure or break. Before removing the USB device from the GOT, follow the procedure for removal on the utility screen of the GOT. After the successful completion dialog is displayed, remove the USB device by hand carefully.Failure to do so may cause the USB device to drop from the GOT, resulting in a failure or break.

[PRECAUTIONS FOR REMOTE CONTROL] **△ WARNING**

Remote control is available through a network by using GOT functions including the SoftGOT-GOT link function, the remote personal compute operation function, the VNC server function, and the GOT Mobile funct if these functions are used to perform remote control of control equipment he field operator may not notice the remote control, possibly leading it of the field operator may not notice the remote control, possibly leading it of the field operator may not notice the remote control, possibly leading it of the field operator may not notice the remote control, possibly leading its modern and the field operator may not notice the remote control, possibly leading its modern and the field operator may not notice the remote control of the field operator may not notice the remote control of the field operator may not not field the field operator of the field operator may not not field the field operator of the field cident. addition, a communication delay or interruption may occur depending on petwork environment, and remote control of control equipment cannot be

formed normally in some cases. ore using the above functions to perform remote control, fully grasp the umstances of the field site and ensure safety.

[PRECAUTIONS FOR EXCLUSIVE 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 A screen for which the exclusive authorization control is disabled can be operated simultaneously from pieces of equipment. Make sure to determine the operation period for each operator, fully grasp the circumstances of the field site, and ensure safety to perform operations.

[DISPOSAL PRECAUTIONS]

△ CAUTION 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 GOTOS Series User's Manual (Hardware) for details of the battery directive in the EU member states.)

TRANSPORTATION PRECAUTIONS]

⚠ CAUTION

- Transport regulations.
 (Refer to the GOTZ000 Series User's Manual (Hardware) for details of the regulated models.) regulated intodes.)

 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 described in the general specifications of this manual, as they are recision deuring. Precision devices.

 Failure to do so may cause the unit to fail.

 Check if the unit operates correctly after transportation
- Check it the unit operates correctly after transportation. When furnigants that contain halogen materials such as fluorine, chlorine, bromine, and iodine 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 furnigant do not enter our products, or treat packaging with methods other than furnigation (heat method).

 Additionally, disinfect and protect wood from insects before packing products

Manual

The following shows manuals relevant to this product.				
Manual name	Manual number (Model code)			
GOT2000 Series User's Manual (Hardware)	SH-081194ENG (1D7MJ5)			
COT2000 Series Hear's Manual (Hillity)	QU 001105ENG (1D7M I6)			

For detailed manuals and relevant manuals, refer to the Help or the PDF manuals stored in the DVD-ROM for the drawing software used.

The latest manuals are also available from MITSUBISHI ELECTRIC FA Global Website (http://www.MitsubishiElectric.com/fa/).

© 2013MITSUBISHLELECTRIC CORPORATION Before using the GOT
Connect the connector of the GOT to the connector of the battery.

Refer to the GOT2000 Series User's Manual (Hardware) for the connection

For details on the GOT specifications, installing instructions, wiring, maintenance king procedure for the version and the con refer to the GOT2000 Series User's Manual (Hardware).

Packing List

The GOT product package includes the following:

Description	Quantity
GT27	1
Battery (GT11-50BAT) (Attached to the GOT)	1
Installation fitting	4, 8(Only GT2715)
GT27 General Description (This manual)	1
GT27 本体概要説明書	1
GOT2000 Series Supplementary Description (Compliance with the ATEX Directive)	1(Only GT2712-STWD GT2710-VTWD)
GOT2000 시리즈 보충 설명 (KCs 지침 준수)	1(Only GT2712-STWD, GT2710-VTWD)

1. FEATURES

(1) Abundant standard equipment
• Variety of connection with FA devices

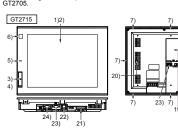
- SD card interface compatible with the SDHC card having a large capacity and allowing high-speed communication Connection with various peripheral devices with the USB host
- Abundant troubleshooting Easy and clear screen creation PC-like operation screen
 Multi-touch function, Gesture function Support for the vertical installation
- (3) Enhanced compatibility with Mitsubishi FA devices (5) LED backlight

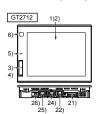
(2) Improved usability

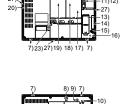
- rnal controllers including multimedia and video supported (excluding GT2705)
- (7) Various extended functions supported

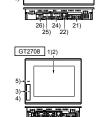
2. Part Names and Settings

The following shows the part names for GT2715, GT2712, GT2710, GT2708 and GT2705.

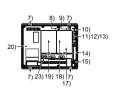




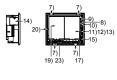




GT2710 1)2)







No.	Name	Description				
1)	Display screen	Displays the utility and the user-created screen.				
2)	Touch Pane	For operating the touch switches in the utility and the user- created screen				
3)	USB interface (Host/Front face)	For connecting a USB mouse, connecting a USB keyboard, data transfer, and data storage (connector type: TYPE-A) (Only GT2715-XTBA/D, GT2712-STBA/D, GT2710-STBA/D, GT2710-VTBA/D, GT2710-VTBA/D, GT2708-VTBA/D, GT2708-V				
4)	USB interface (Device /Front face)	For connecting a personal computer (connector type: Mini- B) (Only GT2715-XTBA/D, GT2712-STBA/D, GT2710- STBA/D, GT2710-VTBA/D, GT2708-STBA/D, GT2708- VTBA/D, GT2705-VTBD)				
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				
6)	Human sensor	Detects human movement.(Only GT2715, GT2712)				
7)	Unit installation fitting	Mounting fixtures for fixing the GOT to the control panel				

Used for OS installations at the GOT startup

SD card mounted SD card accessed SD card not mounted or SD card mounted SD card access LED (removable) For installing a SD card 11) SD card interfac With a switching function for accepting and stopping the access to the SD card When the cover is opened : Access is prohibited 12) When the cover is closed : Access is allowed 13) Battery holde Houses the battery Houses the battery For installing a communication unit For connecting a USB mouse, connecting a USB keyboard data transfer, and data storage (connector type: TYPE-A). Hole for attaching a cable clamp for preventing USB cable from being pulled out (Recommended product: RSG-130-V0 made by KITAGAWA INDUSTRIES CO., LTD) 14) Side interface USB interface 15) Hole for attaching a cable clamp Terminating resisto For switching on and off of the terminating resistor for the RS-422/485 communication port (Default (Off)) 17) setting switch (Inside cover) 18) Auxiliary extension interface 19) Extension interface*1 For installing an option unit For installing a communication unit or an option unit For the vertical installation, install the GOT so that the arr points upward. Power input terminal, LG terminal, FG terminal For communicating with a controller or connecting a 21) Power terminal ru wimmunicating with a controller or connecting a personal computer (connector type: RJ-45 (modular jack)). SD/RD LED ON: Data sent or received SD/RD LED OF: Data not sent or received SPEED LED ON: Communicating at 100 Mbps SPEED LED OFF: Communicating at 10 Mbps or disconnected. Ethernet interface 23) LED disconnected For communicating with a controller (Connector type: D sub9-pin (male)) For communicating with a controller (Connector type: D sub9-pin (female)) 24) RS-232 interface 25) RS-422/485 interface USB interface (Device/ Back face) For connecting personal computers (connector type: Mini-I (Only GT2712-STWA/D,GT2710-VTWA/D) Special installation fitting mounting hole² For fixing the GOT to the control panel to make the GOT conform to the ATEX/KCs standard. (Only GT2712-STWAD) GT2712-STWAD

- *1:GT2705-V when used, for using multiple extension units, a barcode reader or a RFID controller, the total current for the extension units, barcode reader or RFID controller must be within the current that the GT2705-V can supply. refer to the following GOT2000 Series Use's Manual.
- ויסיייוניש ייסייי ביטייטי בerise Suses Manual. 2:Special installation fittings are sold separately. If you need the special installation fittings, consult your local Mitsubishi representative or branch office.

3. Specifications

3.1 General Specifications

Item		Specifications						
Operating ambient temperature*1 Température ambiante de fonctionnement*1		0 to 55°C ^{*2} 0 è 55°C * ²						
Storage ambient temperature			-20 to	60°C				
Operating ambient humidity		10 t	o 90% RH, ı	non-condens	ing			
Storage ambient humidity		10 t	o 90% RH, ı	non-condens	ing			
			Frequency	Acceleration	Half- amplitude	Sweep count		
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2	Under intermittent vibration	5 to 8.4Hz	-	3.5mm	10 times each in X,		
			8.4 to 150Hz	9.8m/s ²	-	Y and Z directions		
		Under continuous vibration	5 to 8.4Hz	-	1.75mm			
			8.4 to 150Hz	4.9m/s ²	-	-		
Shock resistance	Compl			IEC 61131- Y and Z dire		(15G),		
Operating atmosphere	No gre conductive	easy fumes, e e dust, and o	corrosive ga direct sunlig	s, flammable ht (Same as	gas*6, exc storage atn	essive nosphere)		
Operating altitude*3			2000 m (65	62 ft) max.				
Installation location			Inside cor	trol panel				
Overvoltage category*4		II or less						
Pollution degree*5			2 or	less				
Cooling method			Self-c	ooling				
Grounding				g (100Ω or le				

*1: The operating ambient temperature includes the temperature inside the nclosure of the control panel to which the GOT is installed.

enclosure of the control panel to which the GOT is installed.

La température ambiante de fonctionnement inclut la température à l'intérieur du botiber du tableau de commande sur lequel le GOT est installé.

"2: When mounting a multimedia unit (GT27-MMR-2), MELSECNET/H communication unit (GT15-J1R23-25, GT15-J17BR13), or CC-Link communication unit (GT15-J18BT13), the operating ambient temperature mus be reduced 5°C against the maximum values described in general

Lors du montage d'un module multimédia (GT27-MMR-Z), du module de communication MELSECNET/H (GT15-J71LP23-25, GT15-J71BR13) ou du module de communication CC-Link (GT15-J61BT13), la température ambiante de fonctionnement doit être réduite de 5°C par rapport aux valeurs maximales décrites dans les spécifications générales.

3: Do not use or store the GOT under pressure higher than the atmospheric pressure of altitude 0m (0ft.).

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

Failure to observe this instruction may cause a malfunction.

network and the machinery within the premises.

Category II applies to equipment for which electrical power is supplied from fixed facilities. Category II applies to equipment for written electrical portion. 30 Sept.—15 fixed facilities.

The surge voltage withstand level for up to the rated voltage of 300 V is 2500 V. 5: 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.
5: Some models have ANSI/ISA12.12.10 approval for use in Class I, Division 2 hazardous locations. For the details, go to the MITSUBISHI ELECTLIC FA Global Website (http://www.MitsubishiElectric.co.jp/far).

Refer to the GOT2000 Series User's Manual (Hardware) for details on the performance specifications of each GOT.

3.2 Power Supply Specifications

power supply

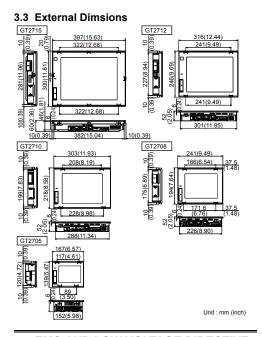
peration at informentary latinure If an instantaneous power failure occurs in the power supply and continues for more than the permissible period, the GOT will be reset. Make sure to power on the unit more than 5 seconds after power-off. 3.2.1 For GOTs powered from the 100 to 240VAC

		Specifications					
Item		GT2715-XTBA	GT2712-STBA GT2712- STWA	GT2710-STBA GT2710-VTBA GT2710- VTWA	GT2708-STBA GT2708-VTBA		
Power st	upply voltage	A	C100 to 240VA	C (+10%, -15	%)		
Power fr	equency		50/60H	z ± 5%			
Мах. арр	parent power	140VA		100VA			
Power	maximum load	51W or less	44W or less	41W (or less		
consum	Stand alone	25W	19W	17W	15W		
ption	Stand alone with backlight off		10	W			
Inrush current		40A or less (3ms, operating ambient temperature 25, maximum load)	bient buA or less (2ms, operating ambient tomporature 25 maximum lead)				
Allowable failure tir	e momentary power ne	20 ms or less (100VAC or more)					
Noise im	munity	1,500Vp-p noise voltage, 1µs noise width (when measuring with a noise simulator under 25 to 60Hz noise frequency)					
Dielectric	c withstand voltage	1500VAC for 1 minute across power terminals and earth					
Insulatio	n resistance	10M or more across power terminals and earth by a 500V DC insulation resistance tester					
Applicab	le wire size	0.75[mm ²] to 2[mm ²]					
Applicable solderless terminal		Solderless te		screw RAV1.2 FV2-N3A	5-3, V2-S3.3,		
Applicable tightening torque (Terminal block terminal screw)		0.5[N•m] to 0.8[N•m]					

3.2.2 For GOTs powered from the 24VDC power supply

Item		GT2715- XTBD	GT2712- STBD, GT2712- STWD	STBD, GT2710- VTBD, GT2710- VTWD	GT2708- STBD, GT2708- VTBD	GT2705- VTBD	
Power s	supply voltage		DC2	4V (+25%, -2	20%)		
Power	maximum load	48W or less	45W or less	42W or less	39W or less	30W or less	
consu	Stand alone	23W	18W	15W	13W	7W	
mption	Stand alone with backlight off	8W	8W	8W	8W	5W	
Inrush current		5A or less (20ms, operating ambient temperature 25, maximum load) 69A or less (1ms, operating ambient temperature 25, maximum load)					
	le momentary ailure time	10 ms or less					
Noise in	nmunity	500Vp-p noise voltage, 1µs noise width (when measuring with a noise simulator under 25 to 60Hz noise frequency)					
Dielectr voltage	ic withstand	350VAC for 1 minute across power terminals and earth					
Insulation	on resistance	10M or more across power terminals and earth by a 500V DC insulation resistance tester					
Applical	ble wire size	0.75[mm ²] to 2[mm ²]					
Applical termina	ble solderless	Solderless		M3 screw R/ I3A, FV2-N3/	AV1.25-3, V2 A	-S3.3, V2-	
torque (ble tightening Terminal block	0.5[N•m] to 0.8[N•m]					

terminal screw)



4. EMC AND LOW VOLTAGE DIRECTIVE

For the products sold in European countries, the conformance to the EMC Directive, which is one of the European Directives, has been a legal obligation since 1996. Also, conformance to the Low Voltage. legal obligation since 1996. Also, conformance to the Low Voltage. Directive, another European Directives, has been a legal obligation since

1997.

Manufacturers who recognize their products must conform to the EMC and Low Voltage Directive are required to declare that their products conform to these Directives and put a "CE mark" on their products.

Authorized representative in Europe

Authorized representative in Europe is shown below.

Name "Mitsubishi Electric Lurope BV

Address :Mitsubishi-Electric-Platz 1, 40882 Ratingen, Germany

4.1 Requirements to Meet EMC Directive

EMC Directives are those which require "any strong electromagnetic force is not output to the external. Emission (electromagnetic interference)" and "It is not influenced by the 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 Mitsubish they do not completely quaranteed that all mechanical unit by Mitsubishi, they do not completely guaranteed that all mechanical unit manufactured according to the data do not always match the above.

4.1.1 EMC directive

The standards of the EMC Directive are shown below.

Applied standard	Test standard	Test details	Standard value
	CISPR16-2-3 Radiated noise ^{*1}	Electromagnetic emissions from the product are measured.	30M-230MHz QP: 30dB _μ V/m (30m in measurement range) '2. '3 230M-1000MHz QP: 37dB _μ V/m(30m in measurement range) '2. '3
EN61131-2 : 2007	CISPR16-2-1 Conducted noise*1	Electromagnetic emissions from the product to the power line is measured.	150k-500kHz QP: 79dB, Mean: 66dB ^{*2} 500k-30MHz QP: 73dB, Mean: 60dB ^{*2}
: 2007	IEC61000-4-2 Electrostatic immunity*1	Immunity test in which static electricity is applied to the cabinet of the equipment.	± 4kV Contact discharge ± 8kV Aerial discharge
	IEC61000-4-3 Radiated electromagnetic field AM modulation	Immunity test in which field is irradiated to the product.	80-1000MHz: 10V/m 1.4-2GHz:3V/m 2.0-2.7GHz: 1V/m 80%AM modulation@1kHz

Applied standard	Test standard	Test details	Standard value
	IEC61000-4-4 Fast transient burst noise*1	Immunity test in which burst noise is applied to the power line and signal lines.	Power line: 2kV Digital I/O: 1kV Analog I/O: 1kV Signal lines: 1kV
EN61131-2	IEC61000-4-5 Surge immunity 1	Immunity test in which lightening surge is applied to the product.	AC power type Power line (between line and ground): ±2kV Power line (between lines) : ±1kV Data communication port : ±1kV DC power type Power line (between line and ground): ±0.5kV Power line (between lines) : ±0.5kV Data communication port : ±1kV
: 2007	IEC61000-4-6 Conducted RF immunity*1	Immunity test in which a noise inducted on the power and signal lines is applied.	Power line: 10V Data communication port: 10V
	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 (50/60Hz).	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%

- *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 PLC.

 "2: OP (Quasi-Peak): Quasi-peak value, Mean: Average value

 "3: The above test items are conducted in the following conditions.

 30M-230MHz QP: 40dB_HV/m (10m in measurement range) 230M-1000MHz QP: 47dBµV/m (10m in measurement range)

4.1.2 Control panel

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.

(c) When using an inner plate to ensure electric conductivity with the control panel, do not coat the fixing bolt area of the inner plate and control panel to ensure conductivity in the largest area as

(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 (3.94in.). In order to reduce the chance of radio waves leaking out, ensure that the space between the control panel and its door

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 37dB max. and 30dB mean (measured by 3m method with 30 to 300MHz).

(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 30cm (11.8 tin.) or shorter.)
The LG and FG terminals function is to pass the noise generated 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 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.

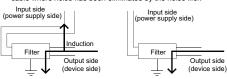
4.1.3 Noise filter (power supply line filter)

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 10MHz 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	3A	6A	3A
Rated voltage		250V	

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



- Installing the input and output cables · Separate the input cable from the output together will cause noise induction. cable.
- (2) Connect the noise filter's ground terminal to the control panel with the shortest cable as possible (approx. 10cm (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 50VAC to 1000V and 75VDC to 1500V to satisfy necessary safety items, the 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 and the product compatibility.

4.2.1 Standard subject to GOT

EN61131-2 Programmable controllers - Equipment requirements and tests Standard applied to GOT: EN60950-1 Safety of Information Technology Equipment

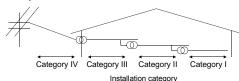
4.2.2 Power supply

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

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 durability



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 distribution.

4.2.3 Control panel

Because 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

(1) Shock Protection

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 measures on the control panel.

(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 when the control panel is opened.

(2) Dustproof and waterproof features

The control panel also provides protection from dust, water and other substances. Insufficient ingression protection may lower the insulation withstand voltage, resulting in insulation destruction. The insulation in the GOT is designed to cope with the pollution level 2, so use in an environment with pollustion level 2 or better

Pollution level 1: An environment where the air is dry and conductive dust does not exist.

oust ooes not exist.

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 panel equivalent a control room or on the floor of a typical factory.

An environment where conductive dust exits and conductivity may be generated due to the accumulated Pollution level 3:

dust.

An environment for a typical factory floor.

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

4.2.4 Grounding

The following are applicable ground terminals. Use them in the grounded Be sure to ground the GOT for ensuring the safety and complying with the EMC Directive.

Functional grounding \perp : Improves the noise resistance

4.2.5 External wiring

(1) 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 (1.2/50μs)
150 VAC or below	2500V
300 VAC or below	4000V

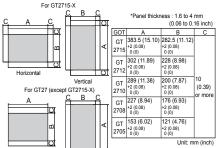
5. INSTALLATION

Control Panel Inside Dimensions for 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.

ome cables may need to be longer than the specified dimensions when connecting to the OT. Therefore, consider the connector dimensions and bending radius of the cable as

5.2 Panel Cutting Dimensions



5.3 Mounting Position

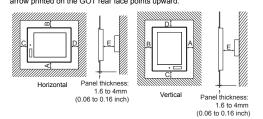
When mounting the GOT, the following clearances must be maintained from other structures and devices.

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.



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 lower.

Unit : mn								
	Item	GT2715	GT2712	GT2710	GT2708	GT2705		
	GOT only	48(1.89) o	48(1.89) or more[18(0.71) or more] 48(1.89) or more [29(1.14) or more]					
	Ethernet communication unit is fitted		48(1.89) or more[18(0.71) or more]					
	Bus connection unit is fit- ted	48(1.89) o	48(1.89) or more[18(0.71) or more]					
	Serial connection unit is fitted	48(1	1.89) or more[18(0.71) or m	iore]	47(1.85) or more		
	CC-Link communication unit (GT15-J61BT13) fit- ted	48(1	nore]	50(1.97) or more [22(0.87) or more]				
А	MELSECNET/H commu- nication unit (coaxial) fit- ted*1	48(1.89) or more [18(0.71) or more]	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	81(3.19) or more		
	MELSECNET/H communication unit(optical) fitted ^{*2}	48(77(3.03) or more					
	CC-Link IE Controller Network communication unit fitted	48(1	55(2.17) or more					
	CC-Link IE Field Network communication unit fitted	48(1	1.89) or more[18(0.71) or m	nore]	55(2.17) or more		
	Video input unit fitted*1	48(1.89) or more [18(0.71) or more]	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	-		
	RGB input unit fitted*3	48(1	1.89) or more[18(0.71) or m	ore]	-		
	Video/RGB input unit fit- ted*1*3	48(1.89) or more [18(0.71) or more]	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	-		
	RGB output unit fitted*3	48(1	1.89) or more[18(0.71) or m	ore]	-		

	Item	GT2715	GT2712	GT2710	GT2708	GT2705
A	Multimedia unit fitted*1	48(1.89) or more [18(0.71) or more]	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	
	Printer unit fitted		48(1.89) or	more[18(0.7	1) or more]	
	External I/O unit fitted	48(1.89) or more[18(0.71) or more] 48(1.89) or more[18(0.71) or more]				
	Sound output unit fitted					
В		Horizontal: 78(3.07) or more[18(0.71) or more] Vertical: 48(1.89) or more[18(0.71) or more]				
С	When the SD card is used					100(3.94) or more
C	When the SD card is not used					
D		Horizontal: 50(1.97) or more[20(0.79) or more]				
		Vertical: 80(3.15) or more[20(0.79) or more]				
E*4			100(3.94) (or more[20(0.7	'9) or more]	

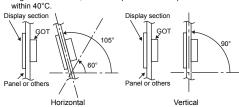
- *1: This value is for use of the coaxial cable 3C-2V (JIS C 3501). For specifications of the cable, refer to the GOT2000 Series Connection
- Manual for a controller used. *2: This value differs depending on the cable used
- *3: This value differs depending on the cable used If the bending radius of the cable used is greater than the value specified above, apply the value of the cable used
- 4: When opening or closing the battery cover: 72(2.83) or more

5.4 Control Panel Inside Temperature and **Installation Angle**

When installing the GOT to a panel, set the display section as shown below. Using the GOT with the installation angle other than the following deteriorates the GOT earlier.

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 65°C.

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. When the GOT is installed at any angle other than 90°, the control panel inside temperature must be



5. INSTALLATION

Point

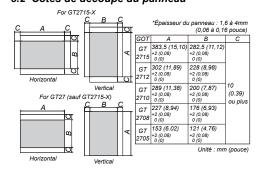
Câble applic

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

ertains câbles peuvent être plus longs que les dimensions spécifiées lors de la

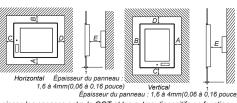
nnexion au GOT. Par conséquent, prenez également en compte les dimensions du nnecteur et le rayon de courbure du câble pour l'installation. 5.2 Cotes de découpe du panneau



5.3 Position de montage

vers le haut.

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, référezvous au manuel GOT2000 Series User's Manual (Hardware) Pour l'installation à la verticale, installez le GOT de sorte que la flèche d'installation à la verticale imprimée sur la face arrière du GOT pointe



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 in près du GOT. Toutefois, maintenez la température ambiante du GOT à Unité : mm (pouce 55°C ou moins

Α	GOT uniquement	48 (1,89) ou plus[18 (0,71) ou plus] ou plus [29 (1,14			48 (1,89) ou plus [29 (1,14) ou plus]	59(2.32) or more
	Unité de communication Ethernet encastrée	48 (1,89) ou plus[18 (0,71) ou plus]				
	Unité de connexion de bus encastrée	23 (0,91) ou plus 18 (1,89) ou plus[18 (0,71) ou plus] [29 (1,14) ou plus]				48(1.89) or more
	Unité de connexion série encastrée	48 (1,89) ou plus[18 (0,71) ou plus]				47(1.85) or more
	Module de communication CC- Link (GT15-J61BT13) encastré	48 (1,89) ou plus[18 (0,71) ou plus]				50(1.97) or more [22(0.87) or more]
	Module de communication MELSECNET/H (coaxial) encastré*1	48(1,89) or more [18(0,71) or more]	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	81(3.19) or more
	Module de communication MELSECNET/H (optique) encastré ^{"2}	48 (1,89) ou plus[18 (0,71) ou plus]				77(3.03) or more
А	Module de communication réseau de contrôleur CC-Link IE encastré	48 (1,89) ou plus[18 (0,71) ou plus]				55(2.17) or more
	Module de communication réseau de champ CC-Link IE encastré	48 (1,89) ou plus[18 (0,71) ou plus]				55(2.17) or more
	Module d'entrée vidéo encas- tré ^{*1}	48(1,89) or more [18(0,71) or more]	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 d'entrée RGB encas- tré *3	48 (1,89) ou plus[18 (0,71) ou plus]				-
	Module d'entrée vidéo/RGB encastré*1°3	48(1,89) or more [18(0,71) or more]	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 sortie RGB encas- tré ^{*3}	48 (1,89) ou plus[18 (0,71) ou plus]				-
	Module multimédia encastré ^{*1}	48(1,89) or more [18(0,71) or more]	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	-
	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 acoustique encastré	48 (1,89) ou plus[18 (0,71) ou plus]				
3		Horizontal: 78 (3,07) ou plus[18 (0,71) ou plus] Vertical: 48 (1,89) ou plus[18 (0,71) ou plus]				
С	Quand la carte SD est utilisée	50 (1,97) ou plus 50 (1,97) [20 (0,79) ou plus] ou plus				100 (3.94) ou plus
	Quand la carte SD n'est pas utilisée	50 (1,97) ou plus[20 (0,79) ou plus]				
ס	Horizontal: 50 (1,97) ou plus[20 (0,79) ou plus] Vertical: 80 (3,15) ou plus[20 (0,79) ou plus]					
-*4		* 0.		ou plus[20 (0,		,

- 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 : Cette valeur diffère selon le câble utilisé
- Si le rayon de courbure du câble utilisé est supérieur à la valeur spécifiée
- us, appliquez la valeur du câble utilisé. *4 : 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

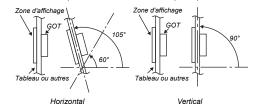
Lors de l'installation du GOT sur un panneau, réglez la zone d'affichage

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 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. Installation du GOT à 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. Lors de l'installation du GOT avec tout autre angle que 90°, la températt à l'intérieur du panneau de commande ne doit pas dépasser 40°C.



6. MAINTENANCE AND INSPECTION

maintenance and inspection for the GOT

Warranty

will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi 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. This product has been manufactured under strict quality control
- However, when installing the product where major accidents of losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

MITSUBISHI ELECTRIC CORPORATION

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