

●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-

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

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

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

Note that the $\underline{\wedge}$ CAUTION level may lead to a serious accident according to the circumstances. Always follow the instructions of both levels because they are important series of the term of the term of the term of the term.

ant to personal safety.

Please save this manual to make it accessible when required and always forward it to the end user.

[DESIGN PRECAUTIONS]

A WARNING

Some failures of the GOT, communication unit or cable may keep the outputs Some failures of the GO1, communication unit or cable may keep the output Some failures of a touch panel may cause malfunction of the input objects such as a touch switch. An external monitoring circuit should be provided to check for output signals with doing so can case an accident. No not use the GOT as the warning device that may cause a serious portfolious the GOT as the warning device that may cause a serious portfolious 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.

- Paintie to use we has instruction may result in an accident due to incorrect output or mailfunction. The GOT backlight failure disables the operation on the touch switch(s). When the GOT backlight has a failure, the POWER LED blinks (orange/blue), the display section of the GOT is an analog-resistive type touch panel. 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. If a 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 PLC CPU becomes faulty and the GOT becomes inoperative.

- For bus connection : The PLC CPO becomes induity 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 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.

[PRECAUTIONS FOR EXCLUSIVE AUTHORIZATION CONTROL]

Make sure to fully understand the GOT network interaction function before using this function to control the authorization among pieces of equipment

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 period for each operator, fully grasp the circumstances of the field site, and ensure safety to perform operations.

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.)

When transporting lithium batteries, make sure to treat them based on the

transport regulations. (Refer to the GOT2000 Series User's Manual (Hardware) for details of the

regulated models.) 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 a precision devices.

resistance described in the general specifications of and the precision devices. Precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation. When furnigants that contain halogen materials such as fluorine, chlorine, bromine, and lordne 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

Manuals

roduct

Manual number (Model code)

SH-081194ENG (1D7MJ5)

[DISPOSAL PRECAUTIONS]

TRANSPORTATION PRECAUTIONS]

WARNING
 To maintain the security (confidentiality, integrity, and availability) of the GOT
 and the system against unauthorized access, DoS³ attacks, computer
 viruses, and other cyberattacks from unreliable networks and devices via
 network, take appropriate measures such as firewalls, virtual private
 networks (VPNs), and antivirus solutions.
 Mitsubishi Electrici shall have no responsibility or liability for any problems
 involving GOT trouble and system trouble by unauthorized access, DoS
 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.
 The CNL and the 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 Cl.1, 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, Division 2 mirrorment 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 they and is to be installed in an enclosure suitable for the environment that require a tool or key to open.
 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.
 The side interface, extension interface, and auxiliary extension interface of this equipment cannot be used in Class I, Division 2 environments.
 Les produits marqués Cl.1, DIV.2 sur la plaque signalétique peuvent être duitisés 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 ou, dans des circonstances anomales, S i le produit est duitisé en environnement de Class I, Division 2, beserver les SI eproduit est duitisé en environnement de Class I, Division 2, beas encerters estivates es our fedure le ristale d'ans une enceinte appropriée à l'environnement et el duit est installé dans une enceinte papropriée à l'environnement et el duit fer installé dans une enceinte papropriée à l'environnement et et il doit être installé dans une enceinte papropriee à l'environnement et el vaplos

inflammable. L'interface latérale, l'interface d'extension et l'interface d'extensior secondaire de cet équipement ne peuvent être utilisées dans les environnements de Classe I, Division 2.

- Do not bundle the control and communication cables with main-circuit, power Do not bundle the control and communication cables with main-circuit, power or other wining. Run the above cables separately from such wining 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. 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 GOT 2000 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.

Enterine network, do not set where a doress res. 1000.10 to the Gors 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 192.1880.118. The operation at the IP address duplication depends on the devices and the svetem.

- 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]

2. Part Names and Settings

1)2)

21

24) | 22) 23)

1)2)

6) 24) 21 25) 22)

26) 24) 21) 25) 22) 21)

16) | 24) | 21) 25) 22)

GT2710 1)2)

GT2708 1)2)

GT2715

3)**-1**

GT2712

5)-

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

- Use 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 delerioration. 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.
- Undertightening can cause the GOT to drop, short circuit or malfunction. Overtightening can cause a drop, short circuit or malfunction due to the damage of the screws or the unit.

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

23)



- When mounting a unit on the GOT, tighten the m When mounting a unit on the GO1, tighten the mounting screws in use 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 COT and thore the neuroimag screws in the specified torque range (0.10 GOT and tighten the mounting screws in the specified torque range (0.10 Nrm to 0.14 Nrm) with a Phillips-head screwdriver No.1. When the GOT is installed vertically, its side interface is positioned on the When the GOT is instanted vertically, its side interface is posticitied 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, failure or malfunction. Overtightening can cause a drop, failure or malfunction due to the damage or the screws or unit.
- the screws or unit. 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.
- 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
- property. 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 cover for oil. Failure to do so may cause failure or malfunction due to the oil or chemical entering into the GOT.
- [WIRING PRECAUTIONS]

Be sure to shut off all phases of the ex nal power supply used by the system before wiring. Failure to do so may result in an electric shock, product damage or malfunctions

- 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). Not doing so may cause an electric shock or malfunction. When tightening the terminal screws, use a Phillips-head screwdriver No.2. Terminal screws which are not to be used must be tightened always at torque 0.5 Nm to 0.8 Nm. Otherwise there will be a danger of short circuit against the solderless terminals.
- Use applicable solderless terminals and tighten them with the specified
- 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.

- Not doing so can cause a tire of railure. 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 due to the damage of the screws or the unit. 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.

- 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. 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. Undertightering can cause a short circuit or malfunction. Overtightering can cause a short circuit or malfunction due to the damage of the specified poly. Plug the QnA/ACPU/Motion controller (A series) bus connection cable by inserting it into the connector of the screted snut). Not doing so can cause a malfunction due to a contact fault.

[TEST OPERATION PRECAUTIONS]

- Before testing the operation of a user-created monitor screen (such as turning on or off a bit device, changing the current value of a word device, changing the set value or current value of a timer or counter, and changing the current value of a buffer memory), thoroughly read the manual to fully understand the operating 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 maifunction can cause an accident.
- [STARTUP/MAINTENANCE PRECAUTIONS]

A WARNING

When power is on, do not touch the terminals

12) SD card cover

) Side interfac

7) Terminating re setting switch (Inside cover) 8) Auxiliary exter interface

15) USB interface (Host/Back face)

6) Hole for attaching a cable clamp

9) Extension interface

arrow mark
 Power terminal

) Ethernet interfa Ethernet

RS-232 interface

5) RS-422/485 interface

3. Specifications

Item

3.1 General Specifications

LED

/ertical installation

shape: TYPE-A)

points upward

9-pin (female))

or installing an option unit

 USB Interface
 [9-pin (female)]

 26)
 USB Interface
 For connecting personal computers (Connector shape: MinI-E (Device/Back face)
 (Only GT2712-STWA/D, GT2710-VTWA/D)

 27)
 Special installation fitting mounting hole*2
 For fixing the GOT to the control panel to make the GOT GT2710-VTWA/D)

1:G12705-V when used, for using multiple extension units, a barcode reader or an T1:G12705-V when used, for using multiple 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. 2:Special installation fittings are sold separately. If you need the special installation fittings, consult your local sales office.

- Doing so can cause an electric shock. 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 drop, short circuit or malfunction. Overtightening can cause a drop, short circuit or malfunction due to the damage of the screws or unit.

en the cover is opened : Access is prohibited en the cover is closed : Access is allowed uses the battery

ises the battery installing a communication unit connecting a USB mouse, a USB keyboard, or a USB code reader, and transferring or saving data (Connector

shape: IYPE-A) Hole for attaching a cable clamp for preventing USB cable fro being pulled out (Recommended product: RSG-130-V0 of KITAGAWA INDUSTRIES CO.,LTD. or equivalent)

For switching on and off of the terminating resistor for the RS 422/485 communication port (Default (Off))

For installing a communication unit or an option unit For the vertical installation, install the GOT so that the arrow

Ir-wer input terminal, LG terminal FG terminal For communicating with a controller or connecting a personal computer (Connector shape: RJ45 (modular jack)) SD/RD LED ON: Data not sent or received SD/RD LED OFF: Data not sent or received SPEED LED OFF: Communicating at 10 Mbps or disconnected For communicating with a controller (Connector shape: D sub 9-cin (male)

For communicating with a controller (Connector shape: D su For communicating with a controller (Connector shape: D su

Specifications

ower input terminal, LG terminal, FG termina

- Do not disassemble or modify the unit. Doing so can cause a failure, malfunction, injury or fire.

- Doing so can cause a faltire, malfunction, injury or fire.
 Do not touch the conductive and electronic parts of the unit directly. Doing so can cause a unit malfunction or fallure.
 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 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 malfunction 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.

- 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 electricity from human body, etc. Not doing so can cause the unit to fail or malfunction. Use of other batteries 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, ond dispose of in fire

- Keep away from children. Do not disassemble and do not dispose of in fire. 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 can cause the unit to fail or malfunction by static electricity.

[TOUCH PANEL PRECAUTIONS]

- alog-resistive film type touch panels, nor lly the adjustme For the For the analog-resistive time ype team parse, transport, transport, transport, transport, 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 mainting.

[PRECAUTIONS WHEN THE DATA STORAGE IS IN USE]

- 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.
- cause failure. Check that the SD card access LED is off before removing the SD card.

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. After inserting an SD card into the GOT, make sure to close the SD card

cover. Not doing 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. Not doing so may cause the SD card to drop from the GOT, resulting in a failure or break.

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. Not doing so can cause a malfunction due to a contact failure.

Before removing the data storage from the GOT, follow the procedure for removal on the utility screen of the GOT. After the successful completion dialog is displayed, remove the data storage

by hand carefully. Not doing so may cause the data storage to drop from the GOT, resulting in a failure or break.

Do not touch the outer edge of the actual display area repeatedly. Doing so may result in a failure. Do not turn off the GOT while data is being written to the storage mer (ROM) or SD card. Doing so may corrupt the data, rendering the GOT inoperative.

A WARNING

Remote control is available through a network by using GOT functions, including the SoftGOT-GOT link function, the remote personal computer operation function, the VNC server function, and the GOT Mobile function. If these functions are used to perform remote control of control equipment, the field operator may not notice the remote control, possibly leading to an incrident

accuent: In addition, a communication delay or interruption may occur depending on the network environment, and remote control of control equipment cannot be performed normally in some cases. Before using the above functions to perform remote control, fully grasp the circumstances of the field site and ensure safety.

Module de communication MELSECNET/H (GT15-J71LP23-25, GT15-J71BR13)

Module de communication MELSECNET/H (GT15-J71LP23-25, GT15-J71BR73)
 Module de communication CC-Link (GT15-J61BT13)
 Couvercié de protection contre l'huile
 To not use or store the GOT under pressure higher than the atmospheric pressure of altitude 00 (0t).
 Failure to observe this instruction may cause a malfunction.
 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.
 "4. 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 I 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.
 "5. This index indicates the degree to which conductive maternal is generated in the environment where the equipment for used.

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 12.12.01, C22.2 No.213-M1987) hazardous locations.
 For the details, please contact your local sales office.
 *7: This is for use on a flat surface of a Type 1 enclosure.

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

GT2715-XTBA

140VA

51W or less

25W

40A or less (3ms, operating ambient temperature 25, maximum load)

GT2712-STBA GT2712-STBA GT2712-STWA GT2710-GT2710-GT2710-GT2708-STBA GT2708-STBA GT2708-STBA GT2708-STBA

100V

60A or less (2ms, operating ambient temperature 25 maximum lead)

17W

41W or less

15W

50/60Hz ± 5

10W

44W or less

3.2 Power Supply Specifications

pecifications of each GOT.

neration at momentary failure

Item

maximum load

Stand alone

wer supply voltage

lax. apparent powe

Power onsum tion

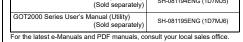
nrush current

power supply

Note

[PRECAUTIONS FOR REMOTE CONTROL]

[PRECAUTIONS FOR USE]



Referenced Standard: GB/T15969.2 (Requirement of Chinese standardized law)

(Solo

Before using the GOT

The following shows manuals re

GOT2000 Series User's Manual (Hardwar

Connect the connector of the GOT to the connector of the battery. Refer to the GOT2000 Series User's Manual (Hardware) for the connection

Instructions. 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

regulat Make s

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

 (2) Improved usability

 - Abundant troubleshooting

 - Easy and clear screen creation

 - PC-like operation screen

 - Multi-bouch function, Gesture function

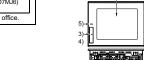
 - Support for the vertical installation

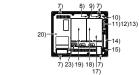
 (3) Enhanced compatibility with Mitsubishi Electric FA devices

 (4) Easy replacement

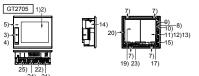
 (5) LED backlight

- (4) Easy replacement
 (5) LED backlight
 (6) External controllers including multimedia and video supported (excluding GT2705)
 (7) Various extended functions supported





7) 23) 19) 18)



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: TVPE-A) (Only GT2716-XTBA/D, GT2712-STBA/D, GT2710-STBA/D, GT2710-VTBA/D, GT2708-STBA/D, GT2708-VTBA/D, GT2705-VTBD)				
4)	USB interface (Device /Front face)	For connecting a personal computer (Connector shape: 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				
8)	Reset switch	Hardware reset switch				
9)	Installation switch	Used for OS installations at the GOT startup				
10)	SD card access LED	Lit : SD card mounted Blinking : SD card accessed No lit : SD card not mounted or SD card mounted (removable)				
11)	SD card interface	For installing a SD card				

Operating ambient temperature ^{*1} <i>Température</i> <i>ambiante de</i> <i>fonctionnement</i> ^{*1}	0 to 55°C *2 0 a 55°C *2					
Storage ambient temperature			-20 to	60°C		
Operating ambient humidity		10 te	o 90% RH, I	non-condens	ing	
Storage ambient humidity		10 te	o 90% RH, i	non-condens		
			Frequency	Acceleration	Half- amplitude	Sweep count
	Compliant with JIS B	Under	5 to 8.4Hz	-	3.5mm	10 times each in X,
Vibration resistance	3502 and IFC	vibration	8.4 to 150Hz	9.8m/s ²	-	Y and Z directions
	61131-2	Under continuous vibration	5 to 8.4Hz	-	1.75mm	_
			8.4 to 150Hz	4.9m/s ²	-	
Shock resistance	Comp			IEC 61131- Y and Z dire		(15G),
Operating atmosphere				as, flammable ht (Same as		
Operating altitude ^{"3}			2000 m (65	562 ft) max.		
Installation location			Inside cor	ntrol panel		
Overvoltage category*4			ll or			
Pollution degree*5			2 or			
Cooling method			Self-c			
Grounding	cab	le that has a	cross-section nect the grout	e of 100 Ω or lo onal area of 2 und cable to 1	2 mm ² or m	ore.
Type rating			UL Ty	pe 1 *7		
*1: The operating a enclosure of the La température du boîtier du tal *2: When any of the maximum opera described above - Multimedia un	e control pa ambiante bleau de co e following ating ambie e.	anel to which de fonction ommande so units and co ent tempera	the GOT nement in sur lequel lo option is m	is installed clut la tempe e GOT est in ounted on the	i. érature à l nstallé. ne GOT, th	<i>'intérieur</i> ne
	H communication unit (GT15, I71) P23 25 or GT15, I71BP13)					

- MELSECNET/H communication unit (GT15-J71LP23-25 or GT15-J71BR13)
- CC-Link communication unit (GT15-J61BT13)
- Protective cover for oil

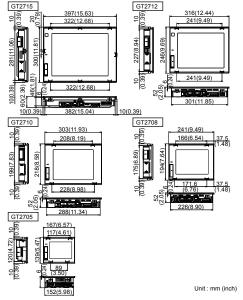
Lors du montage du module ou de l'option suivant, la température ambiante de fonctionnement doit être réduite de 5°C par rapport aux valeurs maximales dans les spécifications générales. - Module multimédia (GT27-MMR-Z)

failure time	20 ms or less (100VAC or more)
Noise immunity	1,500Vp-p noise voltage, 1μ s noise width (when measuring with a noise simulator under 25 to 60Hz noise frequency)
Dielectric withstand voltage	1500VAC for 1 minute across power terminals and earth
Insulation resistance	10M or more across power terminals and earth by a 500V DC insulation resistance tester
Applicable wire size	0.75[mm ²] to 2[mm ²]
Applicable solderless terminal	Solderless terminal for M3 screw RAV1.25-3, V2-S3.3, V2-N3A, FV2-N3A
Applicable tightening torque (Terminal block terminal screw)	0.5[N•m] to 0.8[N•m]

3.2.2 For GOTs powered from the 24VDC power supply

ltem		Specifications						
		GT2715- XTBD	GT2712- STBD, GT2712- STWD	GT2710- 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)						
	ele momentary ailure time	10 ms or less						
Noise ir	nmunity	500Vp-p noise voltage, $1\mus$ 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						
Insulatio	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]						
termina		Solderless terminal for M3 screw RAV1.25-3, V2-S3.3, V2- N3A, FV2-N3A						
torque (ble tightening Terminal block I screw)		0.5[N•m] to 0.8[N	l•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.

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 electrical safety standards since 1997. In European countries, if a product meets the requirements of the EMC Directive, the product's manufacturer must declare conformity of the product and affix the CE mark to the product. The product and affix the CE mark to the product and affix a designated mark to the product (scample: UKCA mark in the UK). • Authorized representative in the EU and the UK meets : Mitsubishi Electric Europe BV Address : Mitsubishi Electric Europe BV Address : Mitsubishi Electric Europe BV Address : Mitsubishi Electric Platz 1, 40882 Ratingen, Germany This section describes the EMC Cand electrical safety standards. EMC and electrical safety standards. EMC and electrical safety standards. EMC and electrical safety standards are required for example in the EU and the UK or Mark with the corresponding international standards. When the requirements are consistent with the same standards. When the trequirements are consistent with the same standards. The 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.

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)". Items 4.1.1 through 4.1.3 summarize the precautions to use GOT and configure the mechanical unit in order to match the EMC directives. We exerted our best efforts on the descriptions herein based on the requirements and standards; however, we do not guarantee that the entire equipment produced according to the descriptions complies with the above-mentioned directives. The manufacturer of equipment must determine how to make the equipment compliant with the EMC Directive and carry out the conformity assessment.

4.1.1 EMC directive

dards of the EMC Directive are shown below The st

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
	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}
	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
EN61131-2 : 2007	IEC61000-4-3 Radiated electromagnetic field AM modulation ^{*1}	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
	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
	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): $\pm 2kV$ Power line (between lines) $\pm \pm 1kV$ Data communication port $\pm \pm 1kV$ DC power type Power line (between line and ground): $\pm 0.5kV$ Power line (between lines) $\pm 0.5kV$ Data communication port $\pm 1kV$
	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%

be installed in a conductive control panel

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. ²²: CP (Quash-Peak): Quash-peak value, Mean: Average value ⁴³: The above test items are conducted in the following conditions. 30M-230MHz QP : 40dBw //m (10m in measurement range) 230M-1000MHz QP : 47dBµ V/m (10m in measurement range)

4.1.2 Installation on a 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 an extension of the plate and bolt surfaces are the plate are the pl contact
- contact.
 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 prescribed.
- (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 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 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 (11.81 lin.) 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 antenna

Note) A long conductor will become a more efficient antenna at (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 i installed on the power supply wires, the wires and the earthing wire may not need to be twisted. vever, if a filter is

4.1.3 Noise filter (power supply line filter)

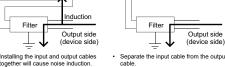
The noise filter (power supply line filter) is a device effective to reduce conducted noise. Except some model, installation of a noise filter onto the power supply lines is not necessary. However conducted noise can be reduced if it is installed. (The noise filter is generally effective for reducing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



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

Input side (power supply side) Input side wer supply side)



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. In 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 and the product compatibility.

4.2.1 Standard subject to GOT

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

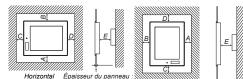
4.2.2 Power supply

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

The installation category indicates the durability level against surge voltage generated by lightning strike.

5.3 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, installez le GOT de sorte que la flèche d'installation à la verticale imprimée sur la face arrière du GOT pointe vers le heut. vers le haut.

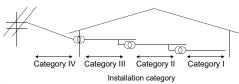


ntal Ép 1.6 à 4m m(0,06 à 0,16 pouce Épaisseur du p Vertical † nneau : 1,6 à 4mm(0,06 à 0,16 pouce)

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

C ou moins.			L	Jnité: mm	n (pouce)
Article	GT2715	GT2712	GT2710	GT2708	GT2705
GOT uniquement	48 (1,89) o	u plus[18 (0,	71) ou plus]	48 (1,89) ou plus [29 (1,14) ou plus]	59(2.32) ou plus
Unité de communication Ethernet encastrée		48 (1,89) ou plus[18 (0,71) ou plus]			
Unité de connexion de bus encastrée	48 (1,89) o	u plus[18 (0,	71) ou plus]	23 (0,91) ou plus [29 (1,14) ou plus]	48(1.89) ou plus
Unité de connexion série encastrée	48 (1	1,89) ou plusį	18 (0,71) ou	plus]	47(1.85) ou plus
Module de communication CC- Link (GT15-J61BT13) encastré	48 (1,89) ou plus[18 (0,71) ou plus]		50(1.97) ou plus [22(0.87) ou plus]		
Module de communication MELSECNET/H (coaxial) encastré ^{*1}	48(1,89) ou plus [18(0,71) ou plus]	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) ou plus

Category I has the lowest durability; category IV has the highest durability



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 panel (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
- (b) Build the structure in order that the 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 co

	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 panel equivalent to a control room or on the floor of a typical equivale factory. Pollution level 3:

- An environment where conductive dust exists and conductivity may be generated due to the accumulated 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 state

Be sure to ground the GOT for ensuring the safety and complying with the EMC Directive. Functional grounding 上: Improves the noise resistance

4.2.5 External wiring

(1) External devices

If the external device connected to the GOT has a hazardous voltage in the external device connected to the GOT has a hazardous voltage circuit, provide a reinforced insultation to isolate the interface circuit to the GOT from the hazardous voltage circuit.

<u>~</u>)	
	The reinforced insulation is such insulation that has withstand
	voltages as 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 μ s)
150 VAC or below	2500V
300 VAC or below	4000V

5. INSTALLATION

5.1 **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.

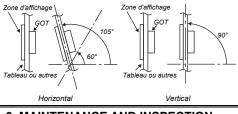
Point pplicable cable

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

5.4 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
- 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. 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 températu à l'intérieur du panneau de commande ne doit pas dépasser 40°C.



6. MAINTENANCE AND INSPECTION

Refer to the GOT2000 Series User's Mar maintenance and inspection for the GOT.

*Panel thickness : 1.6 to 4 mm (0.06 to 0.16 inch) GOT GT 383.5 (15.10) 282.5 (11.12 0 (0) 0 (0) 302 (11.89) 228 (8.98) +2 (0.08) +2 (0.08) 0 (0) 0 (0) GT GT 289 (11.38) 200 (7.87) +2 (0.08) +2 (0.08) 0 (0) +2 (0.08) Vertical For GT27 (except GT2715-X) GT 227 (8.94) 2708 +2 (0.08) 0 (0) В 176 (6.93) H GT 153 (6.02) 121 (4.76)

1⁺² (0.08) 0 (0)

5.3 Mounting Position

5.2 Panel Cutting Dimensions

For GT2715->

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

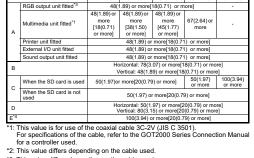
2705 +2 (0.08)

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

For 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.

Panel thickness 1.6 to 4mr Vertical Panel thickness (0.06 to 0.16 inch) 1.6 to 4mm



Installation Angle

within 40 °C

within 40°C

ĢОТ

*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

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

below.Using the GOT with the installation angle other than the following deteriorates the GOT earlier. Installing the GOT horizontally 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 horizone 60 to 106° the tomperature inside the control panel must be

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

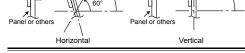
between 60 to 105°, the temperature inside the control panel must be

∏_сот

(0.06 to 0.16 inch)

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: mm(inc								
	ltem	GT2715	GT2712	GT2710	GT2708	GT2705			
	GOT only	48(1.89) o	48(1.89) or more[18(0.71) or more] [29(1.14) or more]						
	Ethernet communication unit is fitted								
	Bus connection unit is fit- ted	48(1.89) o	48(1.89) or more[18(0.71) or more] 23(0.91) or [29(1.14) or more]						
	Serial connection unit is fitted	48(*	48(1.89) or more[18(0.71) or more]						
	CC-Link communication unit (GT15-J61BT13) fit- ted	48(1	48(1.89) or more[18(0.71) or more]						
	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			
А	MELSECNET/H communication unit(optical) fitted ^{*2}	48(1	77(3.03) or more						
	CC-Link IE TSN communication unit is fitted	48(1	48(1.89) 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			18(0.71) or m	iore]	55(2.17) or more			
	Video input unit fitted ^{*1}	more [18(0.71) or more]	[18(0.71) [38(1.50) [45(1.77)		67(2.64) or more	-			
	RGB input unit fitted ^{*3}	48(1	1.89) or more[18(0.71) or m	iore]	-			
	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	-			



, 105°

5. INSTALLATION

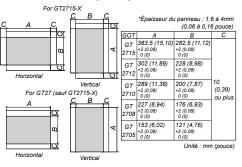
5.1 Dimensions intérieures du tableau de commande pour le montage du GOT

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.

Point âble applicabl

une opinioune retains 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



	0.1000.0	ou plus]	ou plus]	ou plus]			
	Module de communication MELSECNET/H (optique) encastré ^{*2}	48 (1	1,89) ou plusį	[18 (0,71) ou	plus]	77(3.03) ou plus	
	Module de communication CC- Link IE TSN encastré	48 (1	48 (1,89) ou plus[18 (0,71) ou plus]				
A	Module de communication réseau de contrôleur CC-Link IE encastré	48 (1	48 (1,89) ou plus[18 (0,71) ou plus]				
	Module de communication réseau de champ CC-Link IE encastré 48 (1,89) ou plus[18 (0,71) ou plus]					55(2.17) ou plus	
	Module d'entrée vidéo encas- tré ^{*1}	48(1,89) ou plus [18(0,71) ou plus]	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 ¹³ 48 (1,89) ou plus[18 (0,71) ou plus]				plus]	-	
	Module d'entrée vidéo/RGB encastré*1*3	48(1,89) ou plus [18(0,71) ou plus]	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	1,89) ou plusį	18 (0,71) ou	plus]	-	
	Module multimédia encastré*1	48(1,89) ou plus [18(0,71) ou plus]	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) o	u plus[18 (0,	71) ou plus]		
	Module d'E/S externe encastré		48 (1,89) o	u plus[18 (0,	71) ou plus]		
	Module de sortie acoustique encastré						
В		Horizontal: 78 (3,07) ou plus[18 (0,71) ou plus] Vertical: 48 (1,89) ou plus[18 (0,71) ou plus]					
c	Quand la carte SD est utilisée) (1,97) ou pl) (0,79) ou pl		50 (1,97) ou plus	100 (3.94) ou plus	
U	Quand la carte SD n'est pas utilisée						
D		Horizontal: 50 (1,97) ou plus[20 (0,79) ou plus] Vertical: 80 (3,15) ou plus[20 (0,79) ou plus]					
E ^{*4}			100 (3,94) c	ou plus[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.

- Series Confriedmantanta a Confrider a Social.
 Series de la caleur différe selon le câble utilisé.
 Serie valeur différe selon le câble utilisé.
 Si le rayon de courbure du câble utilisé est supérieur à la valeur spécifiée cidessus, appliquez la valeur du câble utilisé.
 *4: Pour ouvrir ou fermer le couvercle de la batterie : 72 (2,83) ou plus

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.

A 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 human life.
- · 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 of losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

MITSUBISHI ELECTRIC CORPORATION

YO BLDG., 2-7-3, MARUNOUCHI, '-14, YADA-MINAMI 5-CHOME H

When exported from Japan, this manual does not require application to the Ministry of Economy, Trade and Industry for service transaction permission.

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