

# When power is on, do not touch the terminals. Doing so can cause an electric shock or malfunction When disposing of the product, handle it as industrial waste Connect the battery correctly. Do not discharge, disassemble, heat, short, solder or throw the battery into the fire. Incorrect handling may cause the battery to generate heat, burst or take fire, resulting in injuries or fires. 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. TARTUP/MAINTENANCE RECAUTIONS 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 cable connection fault.
- When unplugging the cable connected to the unit, do not hold and pull the cab portion. Doing so can cause the unit or cable to be damaged or can cause malfunction due to a cable connection fault.

### Associated Manuals

STARTUP/MAINTENANCE

e following manuals are relevant to this product. When these loose manuals are required, please consult with our local distributor.

Manual name	Contents	Manual Number (Model Code)
GT11 User's Manual (sold separately)	Describes the GT11 hardware-relevant content such as part names, external dimensions, mounting, power supply wiring, specifications, and introduction to option devices.	JY997D17501 (09R815)
GOT1000 Series Connection Manual 1/3, 2/3, 3/3 (sold separately) *1	Describes system configurations of the connection method applicable to GOT1000 series and cable creation method	SH-080532ENG (1D7M26)
GT Designer2 Version2 Basic Operation/Data Transfer Manual (For GOT1000 Series) (sold separately) <sup>*1</sup>	Describes methods of the GT Designer2 installation operation, basic operation for drawing and transmitting data to GOT1000 series	SH-080529ENG (1D7M24)
GT Designer2 Version2 Screen Design Manual (For GOT1000 Series) 1/3, 2/3, 3/3 (sold separately) *1	Describes specifications and settings of the object functions used in GT Designer2	SH-080530ENG (1D7M25)
GOT1000 Series Extended/Option Functions Manual (sold separately) *1	Describes extended functions and option functions applicable to GOT series.	SH-080544ENG (1D7M32)

1 Stored in the GT Works 2/GT Designer2 in PDF format

For details of a programmable controller to be connected, refer to the programmable controller user's manual respectively

### **Bundled Items**

3. Specifications

Product Name	Model Name			Specifications				
	GT1155-QTBDQ		320 × 240 dots, TFT color LCD (256 colors), built-in battery and backlight, built-in bus interface for connecting to the QC Q mode) and motion controller CPU (Q series), built-in serial interface					
	GT1155-QTBDA		20 × 240 dots, TFT color LCD (256 colors), built-in battery and backlightm built-in bus interface for connecting to t nACPU, ACPU, and motion controller CPU (A series), built-in serial interface					
GOT	GT1155-QSBDQ	320 × 240 dots, STN color LCD (256 colors), built-in battery and backlightm, built-in bus interface for connecting to the QC (Q mode) and motion controller CPU (Q series), built-in serial interface						
001	GT1155-QSBDA	A 320 x 240 dots, STN color LCD (256 colors), built-in battery and backlight, built-in bus inte QnACPU, ACPU, and motion controller CPU (A series), built-in serial interface			e for connecting to the			
	GT1150-QLBDQ	320 x 240 dots, STN monochrome LCD (black/white, 16 scales), built-in battery and backlight, built-in bus inte connecting to the QCPU (Q mode) and motion controller CPU (Q series), built-in serial interface						
	GT1150-QLBDA	DA 320×240 dots, STN monochrome LCD (black/white, 16 scales), built-in battery and backlight, built-in bu connecting to the QnACPU, ACPU, and motion controller CPU (A series), built-in serial interface		built-in bus interface for				
	Bundled item		Quantity	Bundled item	Quantity			
Nounting brackets			4	GT11 General Description (This manual)	1			

#### 1. Features

1) Improved monitoring performance and connectivity to FA devices

display section, which may cause a touch switch to operate. Note that the following occurs on the GOT when the backlight goes out.

The POWER LED flickers (green/orange) and the monitor screen appel blank

High speed monitoring through high speed communication at maximum of 115.2kbps.

Multiple languages are displayed using the Unicode2.1-compatible fonts and beautiful characters are drawn using the TrueType and high quality fonts High speed display and high speed touch switch response

2) More efficient GOT operations including screen design, startup, adjustment, management and maintenance works
 The 3MB user memory is included as standard.

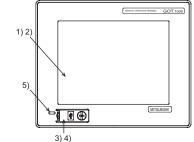
Font installation is available to increase the system fonts.

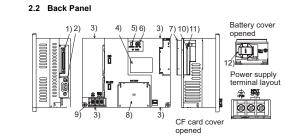
3) Enhanced support of FA setup tools

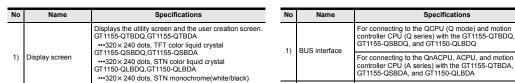
Transfering or monitoring the sequence programs using the personal computer connected to GOT, during direct connection to Q, QnA or A series programmable
 Transfering Or monitoring the sequence programs using the personal computer connected to GOT, during direct connection to Q, QnA or A series programmable
 The USB connector is positioned on the GOT front. This enables the system startup to be performed more efficiently using FA device setup tool, and eliminates the indirect works (opening and closing the control panel, cable replacement, cable rewiring) in order to improve the working efficiency.

#### 2. Part Name









	Item			Specifi	cations		
Operating ambient	Display section	0 to 50°C					
temperature	Other than display section	0 to 55°C (When m	nounted horizontaly), 0 to	50°C (When mou	inted verticaly)		
Storage ambient ter	nperature	-20 to 60°C					
Operating ambient humidity*1		10 to 90% RH, nor	n-condensing				
Storage ambient hu	midity*1	10 to 90% RH, nor	n-condensing				
				Frequency	Acceleration	Half-amplitude	Sweep Count
		Conforms to JIS B3502 and	vibration 9 to 150Hz 9.8m/s <sup>2</sup>	5 to 9Hz		3.5mm	10 times each in X,
Vibration resistance				9 to 150Hz	9.8m/s <sup>2</sup>		
		IEC61131-2		Y and Z direction			
				9 to 150Hz	4.9m/s <sup>2</sup>		
Shock resistance		Conforms to JIS B	3502, IEC 61131-2 (147	m/s <sup>2</sup> , 3 times each	n in X, Y and Z direc	tions)	
Operating atmosphere	ere	No corrosive gas					
Operating altitude*2		2000 m (6562 ft) m	lax.				
Installation location		Inside control pane	9				
Overvoltage catego	ry*3	II or less					
Pollution degree*4		2 or less					
Cooling method		Self-cooling					

machinery within the premises.

Category II applies to equipment for which electrical power is supplied from fixed facilities. The surge voltage withstand level for up to the raged voltage of 300 V is 2500 V.

\*4 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 condensatio

# 3.2 Performance Specifications

			Specifications				
Item		GT1155-QTBDQ GT1155-QTBDA	GT1155-QSBDQ GT1155-QSBDA	GT1150-QLBDQ GT1150-QLBDA			
	Туре	TFT color liquid crystal	STN color liquid crystal	STN monochrome (white/black) liquid crysta			
	Screen size	5.7"					
	Resolution	320×240 dots					
	Display size W115(4.53) × H86(3.39)[mm](inch)						
	Display character	16-dot standard font: 20 characters × 15 I	ines, 12-dot standard font: 26 characters×2	20 lines (Horizontal format)			
Display	Display color	256 colors		Monochrome (white/black), 16 scales			
section*1	Display angle	Left/Right: 70 degrees, Top: 70 degrees, Bottom: 50 degrees (Horizontal format)	Left/Right: 55 degrees, Top: 65 degrees, Bottom: 70 degrees (Horizontal format)	Left/Right: 45 degrees, Top: 20 degrees, Bottom: 40 degrees (Horizontal format)			
	Contrast adjustment	-	16-level adjustment				
	Intensity of LCD only	400[cd/m <sup>2</sup> ]	380[cd/m <sup>2</sup> ]	220[cd/m <sup>2</sup> ]			
	Intensity adjustment	8-level adjustment					
	Life*2	Approx. 50,000h (Operating ambient tem					
Backlight		Cold cathode fluorescent tube (irreplacea Backlight off/screen saving time can be s					
	Life	Approx. 75,000h or longer, Guaranteed: 1 50% at the operating ambient temperatur		Approx. 54,000h or longer, Guaranteed: 1 year (Time for display intensity reaches 50% at the operating ambient temperature of 25°C)			
	Number of touch keys	300 keys/screen (Matrix structure of 15 lines × 20 columns)					
Touch	Key size	Minimum 16×16 dots (per key)					
panel	Number of points touched simultaneously	Maximum of 2 points					
	Life	1 million times or more (operating force 0	.98N max.)				
	C drive*3	Flash memory (Internal), for storing project data (3Mbytes) and OS					
Memory	Life (Number of write times)	100,000 times					
	D drive	SRAM (Internal), 512kbyes (battery backup)					
		GT11-50BAT lithium battery					
Battery	Backup target	Clock data, alarm history and recipe data					
Life		Approx. 5 years (Operating ambient temperature of 25°C), Guaranteed: 1 year					
Buzzer ou	itput	Single tone (tone length adjustable)					
Environm	ental protective structure*4	Equivalent to IP67 (JEM1030) (front section) when the USB environmental protective cover is attached					
External o	limensions	W167(6.57)×H135(5.32)×D65(2.56)[mn	n](inch)(Excluding USB environmental prote	ctive cover)			
Panel cut	ing dimensions	W153 (6.03)×H121(4.77)[mm] (inch)					
Weight		0.9kg (Excluding mounting fixtures)					
Compatib	le software package	GT Designer2 Version2 or later*5					

r D	I	
		<ul> <li>When transporting lithium batteries, make sure to treat them based on the transport regulations.</li> </ul>
		<ul> <li>Before transporting the GOT, turn the GOT power on and check that the battery voltage status is normal on the Time setting &amp; display screen (utilities screen). In addition, confirm that the adequate battery life remains on the rating plate.</li> <li>Transporting the GOT with the low battery voltage or the battery the reached battery life may unstabilize the backup data unstable during transportation.</li> </ul>
		· Make sure to transport the GOT main unit and/or relevant unit(s) in the manner

anne Make sure to tarisport the GOT main tank and/or relevant unit(s) in the mainte they will not be exposed to the impact exceeding the impact resistance described in the general specifications of this manual, as they are precisio devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

		liquid crystal, 16 scales			_
2)	Touch key	For operating the touch switches in the utility screen and the user creation screen	_	2)	RS
3)	USB interface	USB interface for connecting a personal computer (OS installation, project data download, transparent)		3)	Ho ins
4)	USB environmental protection cover	Opens/Closes when the USB interface is used.	-	4)	Ra pla
5)	POWER LED	Lit in green : Power is correctly supplied Lit in orange : Screen saving Blinking in orange/green : Blown backlight bulb	-	5)	CF LE
For th	ne nersonal computer	Not lit : Power is not supplied	_		CF

→ GT Designer2 Version Basic Operation/Data Transfer Manua

2)	RS-232 interface	For connecting to a controller (bar code reader) or personal computer (OS install, project data download, transparent) (D-sub 9-pin male)			
3)	Hole for unit installation fitting	Hole for the inserting installation fittings (accessory) during the GOT installation to the panel (4 holes at top and bottom)			
4)	Rating plate(nameplate)	-			
5)	CF card access LED	ON: The CF card is accessed. OFF: The CF card is not accessed.			
6)	CF card access switch	Switch for disabling the access to the CF card before removing the CF card from the GOT ON :The CF card is accessed. (CF card removal prohibited) OFF :The CF card is not accessed. (CF card removal available)			
7)	CF card cover	Open or close when inserting or removing the CF card.			
8)	Battery cover	Open or close when replacing the battery.			
9)	Power terminal	Power terminal and FG terminal (for power supply (24VDC) to GOT and grounding)			
10)	CF card interface	Interface for installing the CF card to GOT			
11)	CF card eject button	Button for removing the CF card			
12)	Battery	GT11-50BAT battery for storing clock data, alarm history and recipe data (The project data is stored in the built-in flash memory.)			

For the connection to the programmable controller or personal computer, refer to the following

ightarrow GOT 1000 Series Connection Manual

\*1 Bright dots (always lit) and dark dots (unlit) may appear on a liquid crystal display panel. It is impossible to completely avoid this symptom, as the liquid crystal display comprises of a great number of display elements. Flickers may be observed depending on the display color. Please note that these dots appear due to its characteristic and are not caused by product defect

The GOT screen saving/backlight of function prevents images from becoming permanently etched on the display screen and increases the backlight life
 ROM in which new data can be written without deleting the written data.

\*4 Compliant with IP67 when the USB environmental protection cover is attached. Not compliant when a USB cable is connected. Note that this does not guarantee all

\*5 For the GT1155-QSBDA, use GT Designer2 Version2 with the version 2.59M or later.

# 3.3 Built-in Interface Specifications

		Specifications				
	ltem	GT1155-QTBDQ GT1155-QSBDQ GT1150-QLBDQ	GT1155-QTBDA GT1155-QSBDA GT1150-QLBDA			
	BUS	Bus interface for connecting to the QCPU (Q mode) and motion controller CPU (Q series) 1ch Application : For communicating with a programmable controller	-			
	500	-	Bus interface for connecting to the QnACPU, ACPU, and motion controller CPU (A series) 1ch Application : For communicating with a programmable controller			
Built-in interface	RS-232	Conforming to serial RS232 standard, 1ch Transmission spede: 115 20067, 600/8,400/19,200/9,600/4,800t Connector shape : D-sub 9-pin (Male) Application : Bar code reader connection, Personal comp (Project data upload/download, OS installati	uter communication			
	USB	Conforming to serial USB (Full Speed 12Mbps), device, 1ch Application: Personal computer communication (Project data uplo	ad/download, OS installation, transparent function)			
	CF card	Conforming to PCMCIA, compact flash slot, 1ch Connector shape : Dedicated for TYPE I Application : Data transfer, data storage				

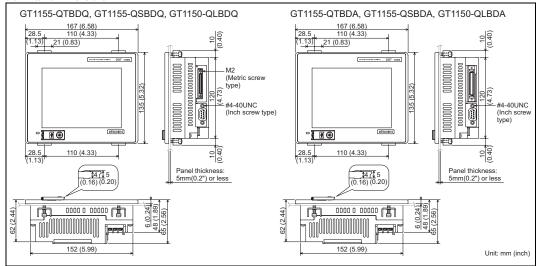
# 3.4 Power Supply Specifications

		Specifications				
Item	GT1155-QTBDQ	GT1155-QSBDQ	GT1150-QLBDQ			
	GT1155-QTBDA	GT1155-QSBDA	GT1150-QLBDA			
Input power supply voltage	24VDC (+10% -15%), ripple voltage 20	00mV or less				
Fuse (built-in, not exchangeable)	1.0A					
Power consumption	11.16W (465mA/24VDC) or less	9.72W (405mA/24VDC) or less	7.92W (330mA/24VDC) or less			
At backlight off	5.04W (210mA/24VDC) or less					
Inrush current	26A or less (26.4V) 4ms					
Permissible instantaneous power failure time*1	Within 10ms					
Noise immunity	Noise voltage: 500Vp-p, Noise width: 1 µs (by noise simulator of 25to 60Hz noise frequency)					
Dielectric withstand voltage*2	500VAC for 1 minute (across power supply terminals and earth)					
Insulation resistance*2	10MΩ or larger by a 500VDC insulation	resistance tester (across power supply ter	minals and earth)			
Applicable wire size	0.75 to 2[mm <sup>2</sup> ]					
Applicable solderless terminal	Solderless terminal for M3 screw RAV1	.25-3, V2-N3A, FV2-N3A				
Applicable tightening torque (Terminal block terminal screw)	0.5 to 0.8[N•m]					

The GOT continues to operate even upon 5ms or shorter instantaneous power failure. The GOT stops operating if there is extended power failure or voltage drop, while it automatically resumes operation as soon as the power is restored.

\*2 A surge absorber is connected between the power supply and earth terminal so that the GOT does not malfunction due to applied lightning surge noise. Values without a surge absorber are described for the dielectric withstand voltage and the insulation resistance.

# 3.5 External Dimensions



# 4. EMC and Low Voltage Directive

ance to the EMC Directive, For the products sold in European countries, the conformance to the EMC Direct which is one of the European Directives, has been a 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.

For the EMC and low voltage directives conformance method for the GOT1000 series, refer to the GT11 User's Manual. The above manual can be downloaded from the Information site for Mitsubishi lustrial automation products MELFANS

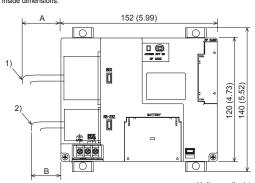
Also, conformance to the EMC Directives of the GOT1000 series can be confirmed with the MELFANSweb website. For latest information, please confirm on the MELFANSweb website. (MELFANSweb website: http://wwwf2.mitsubishielectric.co.jp/english/index.html)

Mithubishi GOTs conform to the following standards:

EN61131-2: 2003 Programmable controllers-Equipment requirements and tests

### 5. Installation

5.1 Control Panel Inside Dimensions for Mounting GOT Mount the GOT onto the control panel while considering the foll ng control panel



Unit: mm (inch)

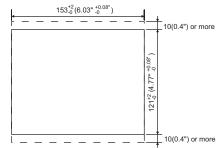
	Model Name	Α	В
G	T1155-QTBDQ T1155-QSBDQ T1150-QLBDQ	56 (2.21)	40 (1.58)
G	T1155-QTBDA T1155-QSBDA T1150-QLBDA	38 (1.50)	40 (1.58)
No		Name	
1)	Bus connection cat	ble	

2) Personal computer connection cable/bar code reader connection cable

Applicable cable 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.

### 5.2 Panel Cutting Dimensions

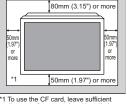
Make holes in the panel according to the dimensions list below Also, ensure 10mm spaces in upper and lower parts of the panel for mounting fixtures



Unit: mm (inch)

5.3 Mounting Position When mounting the GOT, the clearances shown on the right must be left from a structure or the other device. Secure 50mm (1.97") or more on the left, right and bottom sides of the GOT to structures or other devices

to structures or other devices. Secure 80mm (3.15") or more on the top of the GOT from structures or other devices to allow good ventilation If devices (such as a contactor) generating radiated noise or those generating heat are arranged around

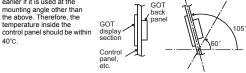


generating near are already of a transport of the GOT, secure 100mm (3.94") or more on the back panel. When using the CF card, secure a sufficient distance on the left side to allow installation and removal of the CF card. [Securing 100mm (3.94") or more is recommended.]

# 5.4 Control Panel Inside Temperature and Mounting Angle

When mounting the main unit to a control panel or similar, set the display section as shown below When the temperature inside the control panel is 40 to 55°C (Horizontal mount), 40 to 50°C (Vertical mount), the mounting angle should be in the range 60° to 105°

degrees The GOT will be deteriorated earlier if it is used at the mounting angle other than the above. Therefore, the



## 5.5 Installation Procedure

The GOT is designed to be embedded into a panel. Mount the GOT by following the procedure below. For panel cutting dimensions, refer to Section 4.2. Note that the panel thickness should be within 5mm.

1) Inserting into the panel face Insert the GOT from the front side of the panel.

2) Fixing the GOT Engage the hook of the mounting

fitting (accessory) to the unit fixing hole of the GOT and tighten the

screw until the GOT is fixed with the mounting bolt (accessory). The GOT will be fixed in 4 upper/

lower parts Tighten the mounting screw with the

(Failure to do so may distort the panel and make a surface waviness on the protective sheet.)

3) A protection film is attached on the display section of GOT prior to shipment Remove the film when the installation is completed.

# 6. Wiring

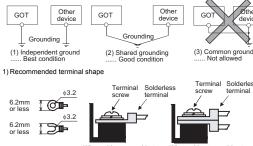
# 6.1 Power Supply Wiring

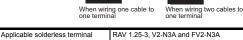
Connect the power terminal on the GOT rear face with the 24VDC terminal of the external power

Use 0.75mm<sup>2</sup> or more cables so as not to produce voltage drops Use solderless terminals for M3 screws, and be sure to tighten the screws with a tightening torque of 0.5 to 0.8N•m.



# Use the cable of 2mm<sup>2</sup> or more for grounding. Set the grounding point closer to the GOT to make the grounding cable short as





### 7. Maintenance and Inspection

A is 54,000 hours. the replacement of the liquid crystal screen ar

ily		ection items			
<b>b</b> .		Inspection Item	Inspection Method	Criterion	Action
	GOT	mounting status	Check for loose mounting screws.	Securely mounted	Retighten screw within the specified torque range
		Loose terminal	Retighten	Nations	Retighten

No.	Inspect	ion Item	Inspection Method	Criterion	Action
		Loose terminal screws	Retighten screws with screwdriver	Not loose	Retighten terminal screws
3	Connection status	Proximate solderless terminals	Visual check	Proper intervals	Correct
		Loose connectors	Visual check	Not loose	Retighten connector fixing screws

# 7.3 Battery Replacement

The battery backs up clock data, alarm history and recipe data. Screen data is stored in the flash memory and data is retained even if the battery is dead.

## · Battery model name

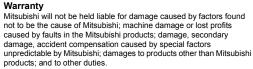
GT11□□ is shipped with the following battery.			
Product name	Model name		
Battery	GT11-50BAT		

#### Battery replacement procedure 1) Turn the GOT power off

2) Open the back cover of the GOT. 3) Remove the old battery from the holder.

holder. 4) Disconnect the old battery connector and insert the new battery connector within 30s. (Clock data, alarm history, and recipe data is retained by the GOT condenser for 30 seconds.)

5) Insert the new battery into the holder and close the back cove



#### **∴**For safe use

China

Taiwar

Korea

Thailand

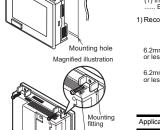
India

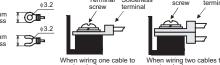
Australia

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 ehicles, consult with Mitsubishi.
- This product has been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.

Country/Regio	n Sales office/Tel
U.S.A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061, U.S.A Tel: +1.847-478-2100
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. Rua Correia Dias, 184, Edificio Paraiso Trade Center-8 andar Paraiso, Sao Paulo, SP Brazil Tel : +55-11-5908-8331
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8 D-40880 Ratingen, GERMANY Tel : +49-2102-486-0
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Hertfordshire., AL10 8XB, U.K. Tel : +44-1707-276100
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South Africa	Circuit Breaker Industries Ltd. Private Bag 2016, ZA-1600 Isando, South Africa Tel : +27-11-928-2000
Hong Kong	Mitsubishi Electric Automation (Hong Kong) Ltd. 10th Floor, Manulife Tower, 169 Electric







untina

The GOT does not include consumable components that will cause the shorten life. However, note that battery life is 5 years and LCD life is 50,000 hours. The life of backlight in GT1155-QTBDQ, GT1155-QTBDA, GT1155-QSBDA, GT1155-QSBDA is 25 000 hours and their of CT1150 QLBDA is 124 000 hours. 75,000 hours and It is recommend

Daily	Inspection	
 	tion items	

7.1 Daily Inspection Daily inspection items						
No.	Inspection Item		Inspection Method	Criterion	Action	
1	GOT mounting status		Check for loose mounting screws.	Securely mounted	Retighten screws within the specified torque range	
Connection status	itatus	Loose terminal screws	Retighten screws with screwdriver	Not loose	Retighten terminal screws	
	ection s	Proximate solderless terminals	Visual check	Proper intervals	Correct	
	Conne	Loose connectors	Visual check	Not loose	Retighten connector fixing screws	
3	Usage status	Dirt on protection sheet	Visual check	Not outstanding	Replace with new one	
		Foreign material attachment	Visual check	No foreign matter sticking	Remove clean	

evice

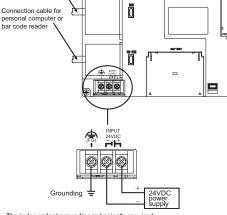






ales office or FA Center.)

d that in GT1150-QLBDQ, GT1150-QLBDA
ed to replace the battery periodically. (For t
nd backlight, please consult your nearest sa



- The independent grounding is basically required. Ground the GOT with a ground resistance of  $100\Omega$  or less
- If the independent grounding is impossible, carry out the shared grounding as shown in fig.2) below.

Refer to the following for the model names of the protection sheet or the replacement

#### → GT11 User's Manual

#### 7.2 Periodic Inspection

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Yearly or half-yearly inspection items The following inspection should also be performed when equipment has been moved or modified or the wiring changed.

No.	Inspection Item		Inspection Method	Criterion		Action
1	Surrounding environment	Ambient temperature	Make measurement with thermometer or hygrometer Measure corrosive gas	Display section	0 to 50℃	For use in control panel, temperature
				Other portions	0 to 55°C	
		Ambient humidity		10 to 90%RH		inside control panel is ambient temperature
		Atmosphere		No corrosive gas		
2	Power supply voltage check		24VDC Measure voltage across terminals.	20.4 to 26.4VDC		Change supply power



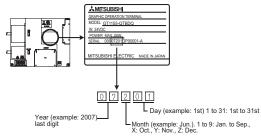
• How to confirm production year and

month

The production year and month of the battery built in the purchased GOT can be confirmed by the production No. (serial No.) marked on the GOT main unit.

Holder

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 Battery life Approximate battery life: 5 years (ambient temperature: 25°C) [Guaranteed for 1 year] Battery replacement: In 4 to 5 years

Approximate life is 5 years, but life may be shorter depending on the ambient temperature, therefore, note that the battery must be replaced in 4 to 5 years. Make sure to purchase a new battery as needed as it self-discharges.

Battery status can be confirmed on a GOT utility screen For details of battery status or how to output alarm, refer to the following → GT11 User's Manual

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# **MITSUBISHI ELECTRIC CORPORATION**

HEAD OFFICE : TOKYO BUILDING, 2-7-3 MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN NAGOYA WORKS : 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

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