

MITSUBISHI

GT16-90XLTT Backlight  
User's Manual

Thank you for purchasing the GOT1000 Series.

Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

MODEL	GT16-90XLTT-U
MODEL CODE	1D7M84
IB(NA)-0800429-A(0808)MEE	

GRAPHIC OPERATION TERMINAL  
**GOT1000**

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 product.

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

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

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

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

Always follow the precautions 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.

BACKLIGHT REPLACEMENT PRECAUTIONS

DANGER

- Make sure to externally shut off all phases of GOT power supply (When GOT is connected via the bus type connection, make sure to cut all phases of PLC CPU power supply as well) and remove the GOT from the control panel before backlight replacement. If all phases are not shut off, it may cause an electric shock. If backlight is replaced with the GOT on the control panel, the GOT may drop off, resulting in injuries.

CAUTION

- Make sure to wear gloves during backlight replacement. Failure to do so may cause injuries.
- Make sure to start the backlight replacement 5 or more minutes after power off of the GOT. Failure to do so may cause burn injuries as the old backlight holds heat for a while.

STARTUP AND MAINTENANCE PRECAUTIONS

CAUTION

- Before handling the GOT, make sure to touch a grounded metal object to discharge the static electricity from the human body. Failure to do so may cause the GOT to fail or malfunction.

DISPOSAL PRECAUTIONS

CAUTION

- Dispose of this product as industrial waste.

TRANSPORTATION PRECAUTIONS

CAUTION

- 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 GT16 User's Manual, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

Manuals

The following shows manuals relevant to this product.

Detailed Manual

Manual name	Manual number (Model code)
GT16 User's Manual (Sold separately)	SH-080778ENG (1D7M88)

Relevant Manuals

For relevant manuals, refer to the PDF manuals stored in the GT Designer2 CD-ROM.

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Packing List

After unpacking the box, check that the following products are included.

Model	Product	Quantity
GT16-90XLTT	Backlight	2

1. OVERVIEW

This User's Manual describes GT16-90XLTT backlight (hereinafter referred to as the backlight). For applicable GOTs, refer to GT16 User's Manual.

Product	Model	Description	GOT
Backlight	GT16-90XLTT	For15" TFT (XGA) of high intensity and wide angle view	GT1695M-X

2. SPECIFICATIONS

The following shows the performance specifications of the backlight. The general specifications of the backlight are the same as those of the GOT.

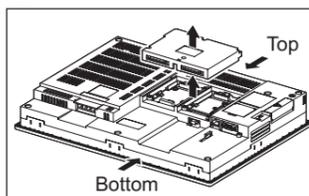
For the general specifications of the GOT, refer to GT16 User's Manual.

Item	Specifications
	GT16-90XLTT
Type	Cold cathode tube backlight
Life	50,000h or more (Operating ambient temperature: 25°C)
Weight	0.044kg (2 backlights)

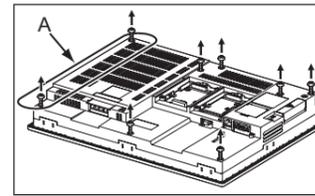
3. BACKLIGHT REPLACEMENT

The GOT includes the backlight for the liquid crystal display panel. The backlight intensity decreases with time. Replace the backlight when the display section becomes dark due to the decreased intensity and the picture is unclear. The following shows the procedures for replacing the backlight.

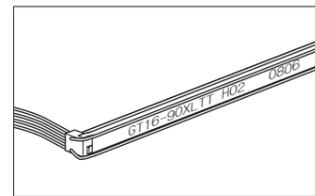
- Turn off the GOT.
- Disconnect the power supply cable and the communication cable. Remove the GOT from the control panel.
- Remove the right extension unit cover of the GOT. Remove an extension unit, including a bus connection unit, if it is mounted.



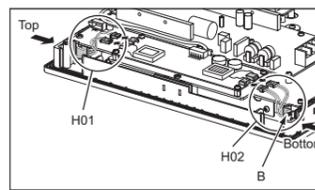
- Remove eight fixing screws on the GOT rear face with a screwdriver.



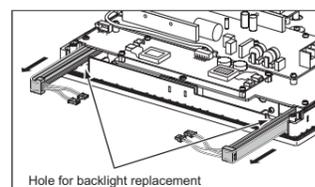
- The model and the production year and month are printed on the back of a backlight. H01 or H02 is printed after the model. H01 indicates the upper backlight, and H02 indicates the lower backlight.



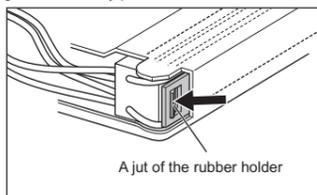
- Remove the cable connectors of the upper backlight (H01) and the cable connectors of the lower backlight (H02) from the GOT connectors.



- Pull out the upper backlight from the backlight replacement hole on the upper part of the GOT. Pull out the lower backlight from the backlight replacement hole on the lower part of the GOT.



- When pulling out the backlight with pushing it toward the center of the GOT, the projection of the rubber holder is unfixed and the backlight can be easily pulled out.



- Install a new backlight in the reverse procedure of removal. When inserting a new backlight into the backlight replacement hole of the GOT, make sure not to damage the sheaths of the cables. Insert the backlight until the projection of the rubber holder is fixed.

Assemble the case in the reverse procedure of disassembly. (Tighten the fixing screws on the GOT rear face with a torque of 0.36 to 0.48N·m). When installing the case, make sure that the cables are not stuck between the case and the GOT.

Warranty

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

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Specifications subject to change without notice.  
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