

MITSUBISHI

MODEL GT15-90XLTT 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	GT15-90XLTT-U
MODEL CODE	1D7M42
IB(NA)-0800327-A(0507)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 the GT15 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 (Type code)
GT15 User's Manual (Option)	SH-080528ENG (1D7M23)

Relevant Manuals

For relevant manuals, refer to the PDF manual stored within the drawing software used.

© 2005 MITSUBISHI ELECTRIC CORPORATION

1. Overview

This User's Manual describes Model GT15-90XLTT backlight (hereafter abbreviated to the backlight). Refer to the GT15 User's Manual for the applicable GOT.

Product name	Model name	Description
Backlight	GT15-90XLTT	For GT1595-X

2. Specifications

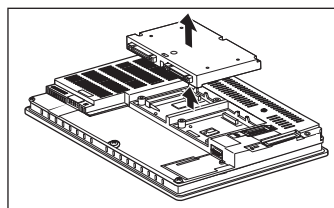
The performance specifications of the backlight are indicated below. Refer to the GT15 User's Manual for the general specifications of the backlight.

Item	Specification
Kind	Cold cathode tube back light
Life	50,000h (Operating ambient temperature: 25°C)
Weight	44g (Equivalent to the weight of two backlights)

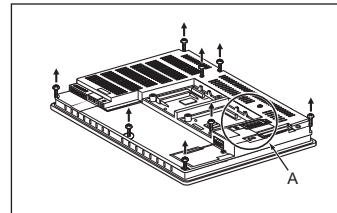
3. Backlight Replacement

The GOT includes the backlight for liquid crystal display panel. Please note that the backlight intensity decreases in time. The backlight needs to be replaced when the display section becomes dark due to the decreased intensity and the picture is unclear. The backlight replacement procedure is described below.

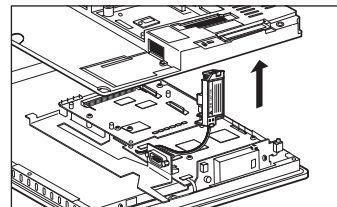
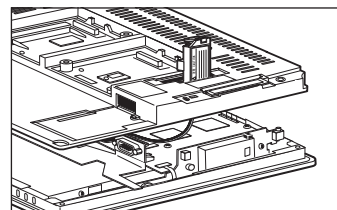
- Power off the GOT.
- Disconnect the power supply cable and communication cable. Remove the GOT from the control panel.
- Remove the expansion unit cover on the right side of the GOT. Remove the expansion unit, e.g. bus connection unit, if it is mounted.



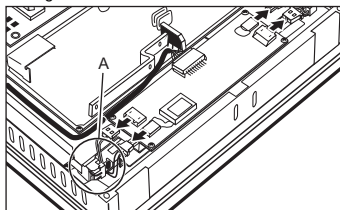
- Remove the GOT rear fixing screws (8 pcs.) with a screwdriver.



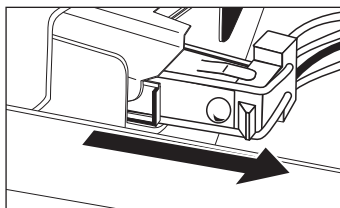
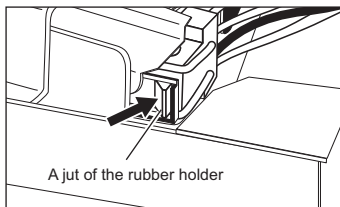
- Remove the case after passing the battery holder through the mounting hole. When removing, take care of not cutting the cable of the battery holder. (Expanded figure of part A in (4))



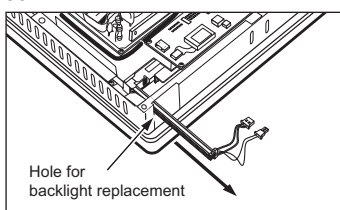
- Disconnect the cable connector of the upper (H01) backlight and the cable connector of the lower (H02) backlight from the GOT side connectors.



- Pull the upper backlight by pressing the projecting part of the rubber holder that fixes the backlight with a minus driver to unfasten the backlight. In the same way, pull the lower backlight by pressing the projection part of the rubber holder that fixes the backlight with a minus driver to unfasten it. (Expanded figure of part A in (6))



- Pull the upper backlight out through the hole for backlight replacement on the upper part of the GOT. In the same way, pull the lower backlight out through the hole for backlight replacement on the lower part of the GOT.



- Mount a new backlight in the reverse procedure of removal. When inserting a new backlight through the hole for backlight replacement of the GOT main unit, take care not to damage the sheath of the cable. And push the backlight in securely until the projection part of the rubber holder is fixed.

Also assemble the case in the reverse procedure of disassembly. (Tighten the GOT rear fixing screws within the torque range of 0.36 to 0.48N•m). When mounting the case, take care of not biting the cables 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.

Country/Region Sales office/Tel

U.S.A	Mitsubishi Electric Automation Inc. 500 Corporate Woods Parkway Vernon Hills, IL 60061 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 Golthaer Strasse 8 D-40880 Ratingen, GERMANY Tel : +49-2102-486-0
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Herts., AL10 8XB, UK Tel : +44-1707-276100
Italy	Mitsubishi Electric Europe B.V. Italian Branch Centro Dir. Colleoni, Pal. Perseo-Ingr.2 Via Paracelso 12, 20041 Agrate B., Milano, Italy Tel : +39-039-6053344
Spain	Mitsubishi Electric Europe B.V. Spanish Branch Carretera de Rubi 76-80 08190 - Sant Cugat del Valles, Barcelona, Spain Tel : +34-93-565-3131
France	Mitsubishi Electric Europe B.V. French Branch 25 Boulevard des Bouvelts, F-92741 Nanterre Cedex, France TEL : +33-1-5568-5568
South Africa	Circuit Breaker Industries LTD. Tripswitch Drive, Elandsfontein Gauteng, South Africa Tel : +27-11-928-2000
Hong Kong	Ryoden Automation Ltd. 10th Floor, Manulife Tower, 169 Electric Road, North Point, HongKong Tel : +852-2887-8870
China	Ryoden Automation Shanghai Ltd. 3F Block5 Building Automation Instrumentation Plaza 103 Cao Bao Rd. Shanghai 200233 China Tel : +86-21-6120-0808
Taiwan	Setsoyo Enterprise Co., Ltd. 6F., No.105 Wu-Kung 3rd.RD, Wu-Ku Hsiang, Taipei Hsine, Taiwan Tel : +886-2-2299-2499
Korea	HAN NEUNG TECHNO CO.,LTD. 1F Dong Seo Game Channel Bldg.,660-11, Deungchon-dong Kangseo-ku, Seoul, Korea Tel : +82-2-3660-9552
Singapore	Mitsubishi Electric Asia Pte. Ltd. 307 Alexandra Road #05-01/02, Mitsubishi Electric Building Singapore 159943 Tel : +65-6473-2308
Thailand	F. A. Tech Co.,Ltd. 888/28,29,30 S.V.City Building,Office Tower 2, Floor 17-18 Rama 3 Road, Bangkokpangang, Yannawa, Bangkok 10120 Tel : +66-2-692-8522
Indonesia	P.T. Autoteknindo SUMBER MAKMUR Jl. Muara Karang Selatan Block a Utara No.1 Kav. No.11 Kawasan Industri/Pergudangan Jakarta - Utara 14440 Tel : +62-21-663-0833
India	Messung Systems Pvt.Ltd. Electronic Sadan NO:111 Unit No15, M.I.D.C BHOSARI, PUNE-411026, India Tel : +91-20-712-2807
Australia	Mitsubishi Electric Australia Pty. Ltd. 348 Victoria Road, PostalBag, No 2, Rydalmere, N.S.W 2116, Australia Tel : +61-2-9684-7777

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE : 1-8-12, OFFICE TOWER Z 14F HARUMI CHUO-KU 104-6212 JAPAN
NAGOYA WORKS : 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

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

Specifications subject to change without notice.
Printed in Japan on recycled paper.