

MITSUBISHI Model A9GT-70LTT Back Light

User's Manual

Thank you for purchasing the Mitsubishi Graphics Operation Terminal MELSEC-GOT Series. To ensure correct use of this equipment, please carefully read this manual prior to use.



Type	A9GT-70LTT-USERS
Type Code	1DM118
	IB-68982-B(0406)MEE

Mitsubishi Graphic Operation Terminal

Manuals

The following manuals are relevant to this product. Refer to the following list and order the required manuals.

Detailed Manual

Manual Name	Manual Number (Type Code)
A985GOT/A975GOT/A970GOT/A960GOT User's Manual (Available as Option)	SH-4005 (1DM099)

Relevant Manual

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

● Safety Precautions ●

(Read these precautions prior to use.)

When using Mitsubishi equipment, thoroughly read this manual and the associated manuals that are introduced in this manual. Also, pay careful attention to safety and handle the module properly.

These precautions apply only to Mitsubishi equipment. Please refer to the relevant user's manuals for safety precautions pertaining to Mitsubishi programmable controller systems and GOT900 Series Graphics Operation Terminal (abbreviated as GOT, hereafter).

The SAFETY PRECAUTIONS in this manual are classified into two categories: DANGER and CAUTION.

⚠ DANGER : Procedures which may lead to a dangerous condition and cause death or serious personal injury if not observed as directed.

⚠ CAUTION : Procedures which may lead to a dangerous condition and cause minor to medium personal injury or damage only to property, if not observed as directed.

Depending on circumstances, procedures indicated with **⚠ CAUTION** could also lead to serious results.

In any case, it is important to strictly observe the directions indicated with the above signs.

Keep this manual in a place which allows you to easily reach it whenever necessary. Please make sure that the end user of this equipment be provided with this manual.

[Handling Precautions]

⚠ DANGER

- Prior to replacing the back lights, make sure to shut off all the phases of GOT power supply (When GOT is connected via bus line, make sure to shut off all the phases of PC CPU power supply externally.) and remove the main unit of GOT from the cabinet. Electric shocks are possible unless all the phases of the power supply are shut off. The main unit of GOT could drop to cause personal injury if replacing the back lights while the main unit is assembled on the cabinet.

⚠ CAUTION

- Use the GOT in an environment which satisfies the general specifications described in the GOT900 Series User's Manual. Using in an environment other than that satisfies the general specifications could cause an electric shock, a fire, or damage or deterioration to the GOT. Be extremely cautious so that your finger, etc. will not be caught when adjusting the installing angle after removing the angle adjusting screw from the stand.
- To install the stand to the GOT, fix it securely with the clamp. Then, tighten the mounting screws securely by applying a specified torque in the range of 36 to 48N·m (3.7 to 4.9kgf·m). Loose screws could cause dropping of the GOT.
- Make sure that the installing angle of the GOT is 45, 55, 65, or 75 degrees when adjusting it with the stand kept installed to the GOT. The stand would touch and give damage to the GOT if the adjusting angle is not within the range as specified.

[Precautions for Wiring]

⚠ CAUTION

- Do not touch the printed circuit board or electronic parts of GOT when replacing the back lights. Touching them may cause a failure or a malfunction.
- Make sure to observe the instructions below for replacing the back lights:
- Wear gloves or finger caps for replacing the back lights. Replacing without wearing those could cause personal injury.
 - To replace the back lights, do so after waiting for 5 minutes or longer after the GOT power supply is shut off.
 - The heat on the back lights could burn any part of a human body.

[Precautions for Disposing]

⚠ CAUTION

- When disposing, treat this product as industrial waste.

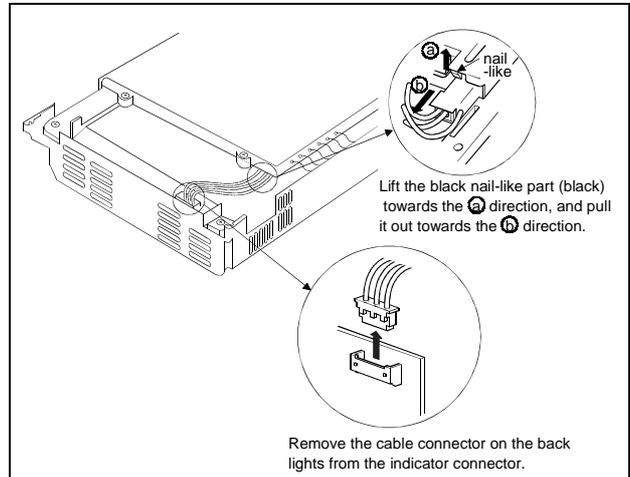
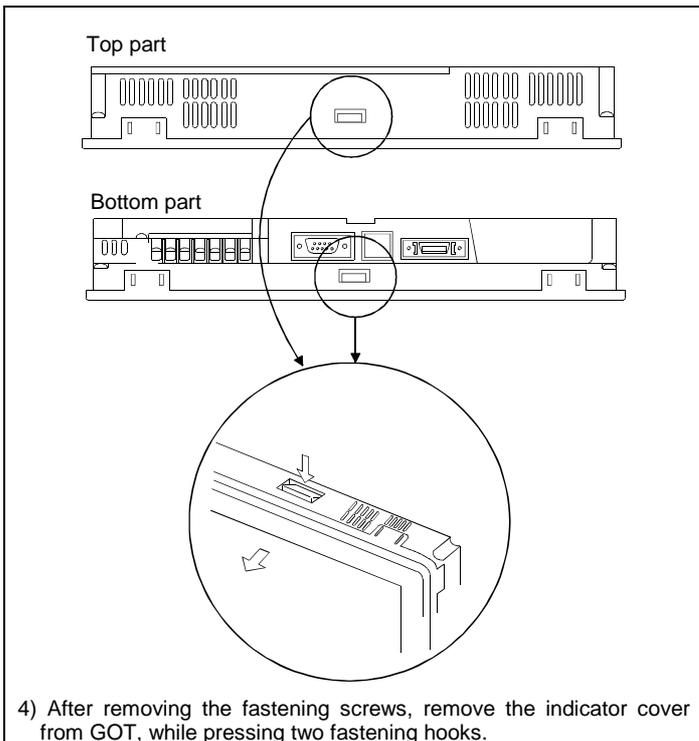
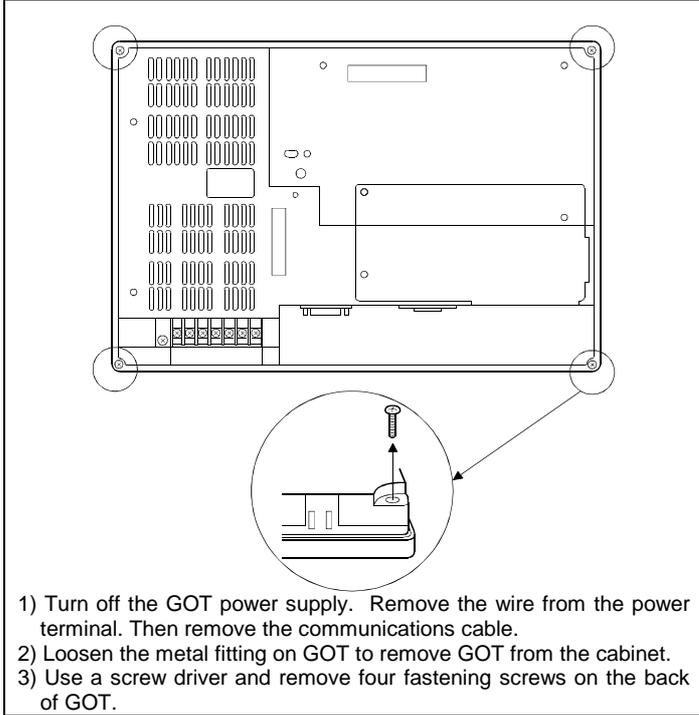
1. Introduction

The table below lists the performance specifications of the back lights.

Item	Specifications
Applicable models	A975GOT-TBA, A970GOT-TBA
Kind	Cold cathode tube back light
Life [Hr]	25,000

2. How to Use A870GOT

In GOT, back lights are incorporated for the indicator LCD. These back lights lose the luminance as they are used. Replace the back lights if the luminance lowers further than that affects the performance of the indicator screen.



- 5) Show the front face of GOT, and remove the cable connector that is fitted to the upper one of the back lights from the indicator connector.
- 6) Pull out the upper one of the back lights from the indicator.
- 7) To install new back lights, follow the procedure opposite to that of removing. Similarly, follow the opposite procedure for installing the indicator. Make sure to securely install the indicator and apply a torque within the specified range to the fastening screws for GOT.

[Precautions for Disposing]

CAUTION

- When disposing, treat this product as industrial waste.

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	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	Hong Kong	Ryoden Automation Ltd. 10th Floor, ManLife Tower, 169 Electric Road, North Point, HongKong Tel : +852-2887-8870
Brazil	MELCO-TEC Rep. Com.e Assessoria Tecnica Ltda. AV. Paulista 1471, Conj. 308, Sao Paulo City, Sao Paulo State, Brazil Tel : +55-11-283-2423	China	Ryoden Automation Shanghai Ltd. 3F Block5 Building Automation Instrumentation Plaza 103 Cao Bao Rd. Shanghai 200233 China Tel : +86-21-6475-3228
Germany	Mitsubishi Electric Europe B.V. German Branch Gothaer Strasse 8 D-40880 Ratingen, GERMANY Tel : +49-2102-486-0	Taiwan	Setsuyo Enterprise Co., Ltd. 6F., No.105 Wu-Kung 3rd.RD, Wu-Ku Hsiang, Taipei Hsine, Taiwan Tel : +886-2-2299-2499
U.K	Mitsubishi Electric Europe B.V. UK Branch Travellers Lane, Hatfield, Herts., AL10 8XB,UK Tel : +44-1707-276100	Korea	HAN NEUNG TECHNO CO.,LTD. 1F Dong Seo Game Channel Bldg., 660-11, Deungchon-dong Kangsec-ku, Seoul, Korea Tel : +82-2-3660-9552
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	Singapore	Mitsubishi Electric Asia Pte. Ltd. 307 ALEXANDRA ROAD #05-01/02, MITSUBISHI ELECTRIC BUILDING SINGAPORE 159843 Tel : +65-6473-2308
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	Thailand	F. A. Tech Co.,Ltd. 898/28,29,30 S.V.City Building,Office Tower 2,Floor 17-18 Rama 3 Road, Bangkokpang, Yannawa, Bangkok 10120 Tel : +66-2-682-6522
France	Mitsubishi Electric Europe B.V. French Branch 25 Boulevard des Bouvets, F-92741 Nanterre Cedex, France TEL: +33-1-5568-5568	Indonesia	P.T. Autoteknikno SUMBER MAKJUR Jl. Muara Karang Selatan Block A Utara No.1 Kav. No.11 Kawasan Industri/ Pergudangan Jakarta - Utara 14440 Tel : +62-21-663-0833
South Africa	Circuit Breaker Industries LTD. Tripswitch Drive, Elandstontein Gauteng, South Africa Tel : +27-11-928-2000	India	Messung Systems Pvt.Ltd. Electronic Sadan NO:111 Unit No:15, M.I.D.C BHOSARI,PUNE-411026 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 2 14F HARUMI CHUO-KU 104-6212, JAPAN
NAGOYA WORKS : 1-16, 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.