MITSUBISHI

A8GT-PW24
Power supply module

Mitsubishi Graphic Operetion Terminal
User's Manual

Thank you for choosing the Mitsubishi General Purpose PC Graphic Operation Terminal 800 series. To ensure correct use of this equipment, please read this manual carefully before operating it.

IB(NA)-66707-A (9607) MEE

Related Manuals

The following manuals are available for this equipment. Refer to the table given below to choose suitable manuals.

Related Manual

Manual Name	Manual No. (Type Code)
Model A870GOT Graphic Operation Terminal User's Manual (Packaged with the A870GOT)	IB-66628 (13J830)

Model Name	A8GT-70PW-U-E
Model Name Code	13J868

● Precautions Regarding Safety ●

(Please read carefully before using your equipment)

When using this product, please read the manuals that are supplied with each of the products, as well as any related manuals available as supplementary manuals. Make sure careful attention is paid to safety, and that the equipment is handled correctly.

These precaution items only apply to this product. For information regarding safety information for the PC system and Graphics Operation Terminal, please refer to the user's manual for each module.

In this manual, safety precautions concerning more hazardous items are labeled "DANGER", and those concerning more general safety items are labeled "CAUTION".

DANGER : Improper handling could cause hazardous conditions resulting in severe injury or death.

CAUTION : Improper handling could cause hazardous conditions resulting in moderate or light injury, or in physical damage.

Items marked with an exclamation point in a triangle ⚠ could also cause severe consequences, depending on the circumstances, if not handled properly. They indicate information that should be taken seriously and observed conscientiously.

Manuals supplied with the products should be stored carefully where they can be accessed whenever necessary, and should always be passed on to the end user along with the equipment.

1. Overview

This manual explains the specifications and installation method, etc., for the DC24V power supply Model A8GT-PW24 Module (hereafter power supply module) for the Model A870GOT Graphic Operation Terminal (hereafter GOT).

2. Specifications

Item	Specifications
Power supply voltage	24VDC (+30%, -35%)
Allowable momentary power failure.	Within 10 ms
Input power consumption current	0.88A *1
Ground	No. 3 ground, does not need to be grounded if grounding is not possible
External output *2	Transistor output 2 points (RUN, OUTPUT)
Applicable wire size	0.75 ~ 2mm^2
Applicable solderless terminal	V1.24-4, V1.25-YS4A, V2-S4, V2-YS4A
Applicable tightening torque	118N·cm (12kg·cm)
External dimensions	182mm (H) x 98mm (W) x 50mm (D) (7.17 inch (H) x 3.82 inch (W) x 1.97 inch (D))
Weight	400g (0.88 lb)

*1 This is the power consumption current when the following modules are installed in the A870GOT-EL.
- A7GT-J71AR23
- 2M memory card (Q1MEM-2MS)
- A8GT-MCA3MFDW
- A8GT-70PRF

*2 ① External output/specifications

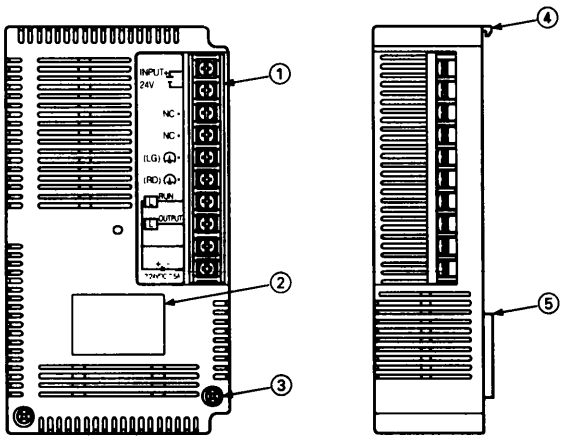
Item		Specifications
Insulation method		Photo coupler insulation
Usage low voltage range		10.2 ~ 30VDC
Maximum load current		0.5A/1, 1A/1 common
Maximum rush current		1A, 100μs or less
Current leakage when off		0.1mA or less
Maximum voltage drop when on		0.9VDC (TYP.) 0.5A, 1.5VDC (MAX.) 0.5A
Response time	OFF→ON	2ms or less
	ON→OFF	2ms or less (resistance load)
Surge killer		Tuner diode with built in photo coupler
External supply power supply	Valtage	DC12/24C (10.2 ~ 30VDC)
	Current	7mA (TYP.24VDC with 1 common)

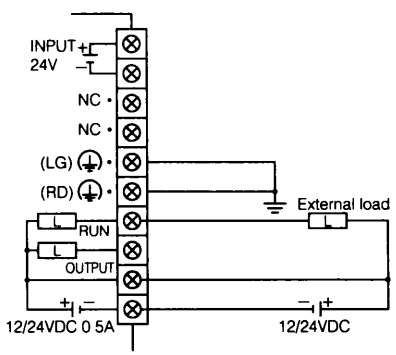
② External output usage method

- RUN ..... Whether the GOT is operating correctly or not is output externally.
  (Output status)
  - ON: When operating normally
  - OFF: When operating abnormally

  Use when you want to monitor GOT operation using the PC CPU. For the usage method use the input module received PC program to check this output.
- OUTPUT .... This is not used.

3. Part Names

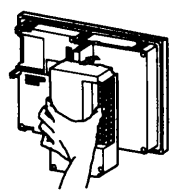


No.	Name	Description
①	Terminal Block	
②	Information Label	———
③	Power Supply Module installation screws	Screws for installing the Power Supply Module in the GOT unit. The tightening torque range is 36 to 48N·cm (3.7 to 4.9mg·cm)
④	Power Supply Module hooks	Hooks for installing the Power Supply Module in the GOT unit.
⑤	GOT unit connector	Connector for connecting the GOT unit's Power Supply Module interface.

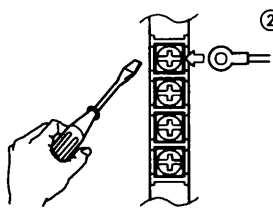
4. Handling and Installation Method

⚠CAUTION

- Use this module in the general specification environment prescribed in the GOT User's Manual.
  If this module is used outside of the general specification environment, electric shock, fire, malfunction or damage and degradation to the product could result.
- When installing or removing the Power Supply Module in or from the GOT be sure to remove the power cable from the Power Supply Module's terminal block. Trouble could result if work is conducted while the power cable is connected.
- Correctly install the wiring to the Power Supply Module after checking the rated voltage and terminal layout for the product. Using other than the rated power or incorrect wiring could cause fire or other trouble.
- Follow the guide when installing the screws in the GOT installation area and conduct the installation using the module fixing screws. If the module is not correctly installed then malfunction or trouble could result or the module could fall off.
- Take precautions so that debris, such as sawdust or wiring debris, does not get inside the module. If such debris does get inside it could cause fire, trouble, or malfunction.
- Do not disassemble or modify the module. Doing so could cause trouble, malfunction, injury, or fire.
- Do not touch the module's printed wiring board or electronic components. Doing so could cause trouble in the module.
- The module is made of plastic so do not drop it or subject it to strong impacts. Doing so could cause trouble.
- Do not remove the module printed wiring boards from the case. Doing so could cause trouble.
- When discarding the product treat it as industrial waste.

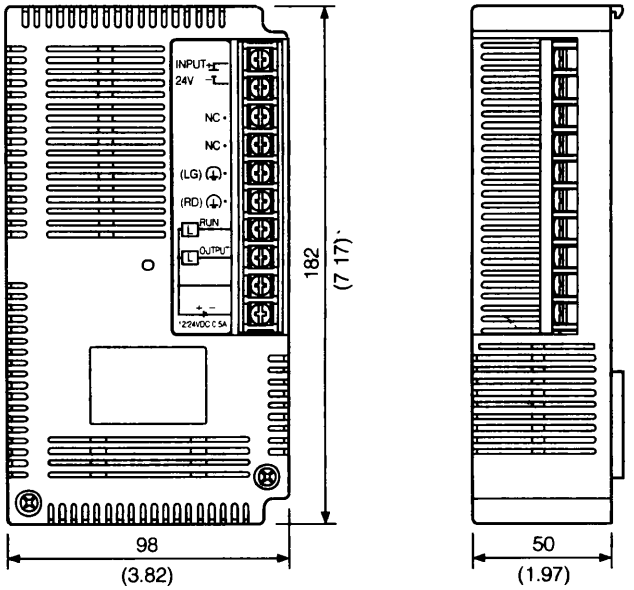


① Install the power supply unit in the GOT, and tighten the screw to secure it.
To remove the power supply unit, loosen the screw, and then reverse the installation procedure.



② Connect the power supply unit to the terminal block with the power supply cable and installation cable.
If external output is being used, connect the output terminal and the equipment being used with power cables.

5. External dimensions



Unit : mm (inch)

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