

MITSUBISHI

A9GT-50PRF Type

Printer interface module

User's Manual

Thank you for purchasing the MELSEC-GOT Series.

To ensure correct use of this equipment, please carefully read this manual prior to use.



Mitsubishi Graphics Operation Terminal

Type	A9GT-50PRF-U
Type Code	1DM110
IB(NA)-0800019-C(0410)MEE	

Manuals

Relevant Manual

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

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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 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.

[DESIGN PRECAUTIONS]

⚠ DANGER

- Some failures of the GOT main unit, this module, or cable may keep the outputs on or off.
An external monitoring circuit should be provided to check for output signals which may lead to a serious accident.
Not doing so can cause an accident due to false output or malfunction.

[INSTALLATION PRECAUTIONS]

⚠ DANGER

- Always turn the GOT power OFF before mounting this module onto the GOT main unit.
Not doing so can cause a module failure or malfunction.
- Always turn the GOT power OFF before connecting the connection cable to this module.
Not doing so can cause a module failure or malfunction.

⚠ CAUTION

- Use this module in the environment given in the general specifications of the GOT User's Manual.
Not doing so can cause an electric shock, fire, malfunction or product damage or deterioration.
- When installing this unit to the GOT, fit it to the connection interface of the GOT and tighten the mounting screws in the specified torque range. Undertightening can cause a drop, failure or malfunction. Overtightening can cause a drop, failure or malfunction due to GOT or screw damage.

[STARTUP AND MAINTENANCE PRECAUTIONS]

⚠ CAUTION

- Do not disassemble or modify this module.
This will cause failure, malfunction, injuries, or fire.
- Do not hold the cable part when unplugging any cable connected to the module. Doing so can cause module or cable damage or a malfunction due to a cable contact fault.
- Always make sure to touch the grounded metal to discharge the electricity charged in the body, etc., before touching the module. Failure to do so may cause a failure or malfunctions of the module.

[DISPOSAL PRECAUTIONS]

⚠ CAUTION

- When disposing, treat this product as industrial waste.

1. OVERVIEW

This user's manual explains the A9GT-50PRF type printer Interface module (referred to as the A9GT-50PRF).

A9GT-50PRF is connected to the A950GOT/A951GOT/A953GOT/A956GOT (referred to as the GOT), and is used when printing data such as the alarm history function.

Refer to the [Drawing software help functions] for details on the alarm history function, etc.

When using this unit, version H or higher of the SW1D5C-GOTRE-PACK is required.

After opening the container, check that the following products are present.

Description	Quantity
A9GT-50PRF	1

2. PERFORMANCE

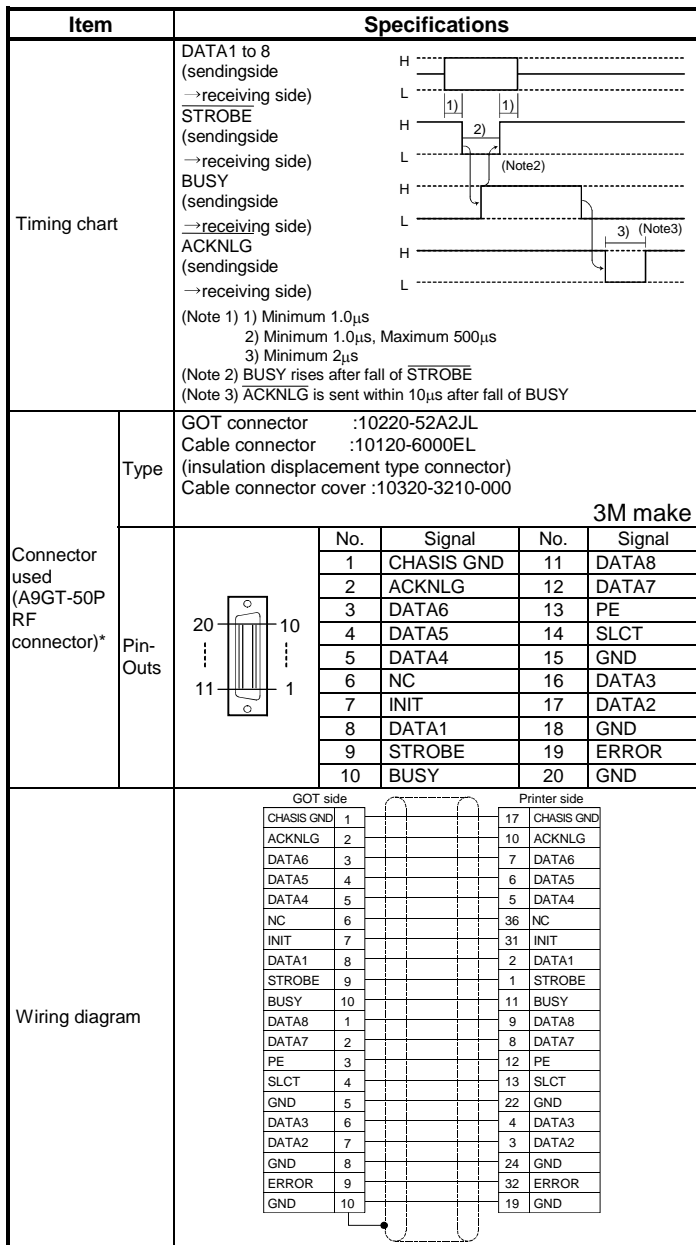
2.1 Performance specifications

Item	specifications
Interface	Parallel interface, 1channel
24VDC Current consumption [A]	0.15
Printer cable	AC30P10-20P (cable length 3m)
Weight [g] (lb)	250 (0.55)

2.2 Parallel interface specifications

When fabricating the printer cable on the user side conform to the following specifications.

Item	Specifications
Compliant standard	Centronics (See below for the data and control signal timing)
Signal level	input V1H=2V, V1L=0.8V output V0H=2.4V, V0L=0.5V
Max. cable length	Within 3m or within the specifications of the printer used

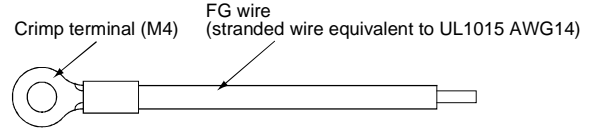


4) Connect the A9GT-50PRF and printer with the connection cable. Refer to the [GOT-A900 Series User's manual (Connection System Manual)] for the usable printers.

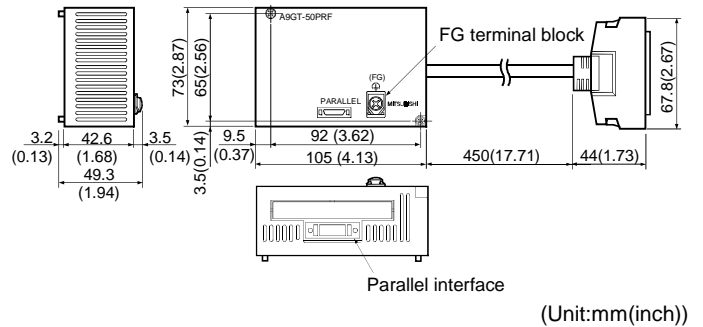
To remove the unit, reverse the installation procedure.

* If the printer malfunctions (characters are unrecognizable, or characters are skipped, etc.), because of noise, etc., the user should make an FG wire, and ground to the A9GT-50PRF FG terminal block. The methods for making the FG wire are shown below.

A9GT-50PRF side



4. OUTLINE DIMENSION DRAWING



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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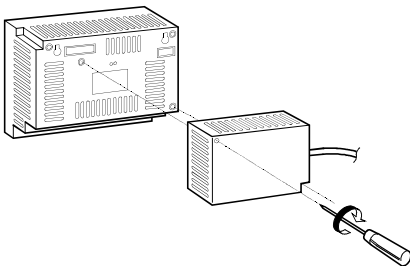
3. INSTALLATION PROCEDURE

1) The A9GT-50PRF is installed onto the option unit installation holes of the GOT with the A9GT-50PRF installation screws.

When using a communication unit with the A958GOT or when the A9GT-50PRF is not to be mounted on the back of the GOT, install the A9GT-50PRF on the control panel.

Refer to the [A950GOT/A951GOT/A953GOT/A956GOT User's Manual] for details on installing onto the control panel.

2) Tighten the installations screws within the range of specified torque 36 to 48N•cm (3.7 to 4.9kgf•cm) (3.2 to 4.2 lb•inch)



3) Mount the GOT side connection connector to the option module interface on the lower side of the GOT.

