

MITSUBISHI

A9GT-QBUS2SU type Multidrop Bus connection communication 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.



Type	A9GT-QBUS2SU-U
Type Code	1DM131
IB(NA)-0800083-C(0512)MEE	

Mitsubishi Graphic Operation Terminal

Related 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	SH-4005 (1DM099)
A950GOT/A951GOT/A953GOT/A956GOT User's Manual (Available as Option)	SH-080018 (1DM103)

[Relevant Manual](#)

For relevant manual, 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 introduced in this manual. Also pay careful attention to safety and handle the module properly.

These precautions apply only to Mitsubishi equipment. Refer to the CPU module user's manual for a description of the PLC system safety precautions.

These ●SAFETY PRECAUTIONS● classify the safety precautions into two categories: "DANGER" and "CAUTION".



Procedures which may lead to a dangerous condition and cause death or serious injury if not carried out properly.



Procedures which may lead to a dangerous condition and cause superficial to medium injury,, or physical damage only, if not carried out properly.

Depending on circumstances, procedures indicated by

CAUTION may also be linked to serious results.

In any case, it is important to follow the directions for usage.

Store this manual in a safe place so that you can take it out and read it whenever necessary. Always forward it to the end user.

[DESIGN PRECAUTIONS]



- Do not bundle control lines or communication wires together with main circuit or power lines, or lay them close to these lines. As a guide, separate the lines by a distance of at least 100 mm (3.94 inch) otherwise malfunctions may occur due to noise.

[INSTALLATION PRECAUTIONS]



- Before mounting or dismounting this module to or from the GOT, always shut off GOT power externally in all phases. Not doing so can cause a module failure or malfunction.
- Before connecting the Bus connection cable to this module, always shut off GOT power and PLC CPU power externally in all phases. Not doing so can cause a malfunction.



- 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.

[WIRING PRECAUTIONS]



- Insert and fit the bus connection cable into the connector of the module to be connected until it "clicks" After fitting, check for looseness. Not doing so can cause a malfunction due to a connection fault.

[STARTUP AND MAINTENANCE PRECAUTIONS]



- Do not change the switch setting during to the be in operation. Doing so can cause a malfunction.
- Before starting cleaning, always shut off GOT power externally in all phases. Not doing so can cause a module failure or malfunction.



- Do not disassemble or modify any module. This will cause failure, malfunction, injuries, or fire.
- Do not touch the conductive areas and electronic parts of this module directly. Doing so can cause a module malfunction or failure.
- Always secure the cables connected to the module, e.g. run them in conduits or clamp them. Not doing so can cause module or cable damage due to dangling, moved or accidentally pulled cables or can cause a malfunction due to a cable contact fault.
- 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.
- Before handling the unit, touch a grounded metal or similar object to discharge the static electricity from the human body. Failure to do so may cause the unit to fail or malfunction.

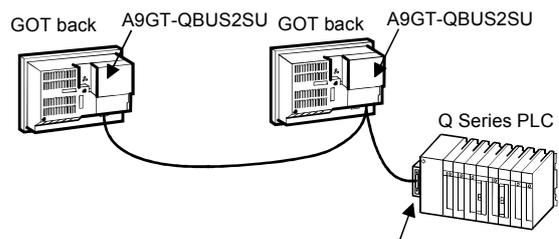
[DISPOSAL PRECAUTIONS]



- Dispose of this product as industrial waste.

1. OVERVIEW

This User's Manual describes the A9GT-QBUS2SU type Multidrop Bus connection communication module (hereinafter, A9GT-QBUS2SU). The A9GT-QBUS2SU is used to connect more than one A900 series GOTs (hereinafter, GOT) to one PLC system of the Q Series via a bus. When one GOT is connected, this module can also be used.



A9GT-QCNB type Bus extension connector box (Necessary when the distance between GOT and the base unit exceed 13.2m, it is .)

When A9GT-QBUS2SU is used, it is necessary to set the increased number of stages and the I/O slot number. Setting is made in the "Setup" of the utility feature of GOT. Refer to the GOT-A900 Series User's Manual (Connection System Manual) for the configuration of the bus connection system and setting.

* When using A9GT-QBUS2SU, version A or higher or the SW3D5C-GOTRE-PACK is required.

* A9GT-QBUS2SU can be used only with QCPU (Q mode).

* When using A985GOT/A97*GOT/A960GOT, use a GOT of the hardware version shown below.

Item	Hardware version
A985GOT-TBA/TBD-V	Hardware version C (Jan., 2001) or later
A985GOT-TBD	Hardware version N (Jan., 2001) or later
A985GOT-TBA	Hardware version J (Jan., 2001) or later
A975GOT-TBA/TBD(-B)	Hardware version G (Jan., 2001) or later
A970GOT-SBA/SBD/LBA /LBD/TBA(-B)/TBD(-B)	Hardware version G (Jan., 2001) or later
A960GOT-EBA/EBD	Hardware version D (Jan., 2001) or later

After opening the box, check that the following items are present.

Description	Quantity
A9GT-QBUS2SU	1

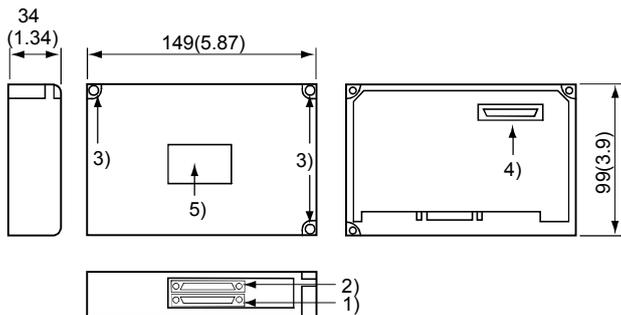
2. SPECIFICATION

Item	Specification	
I/O occupied points	16 points (I/O assignment: intelligent 16 points)	
Internal consumed current [mA]	CPU 5VDC	48*1 (109*2)
	GOT 5VDC	Included in GOT
Weight [kg] (lb)	0.17 (0.4)	

*1 The power supply of PLC CPU is the current consumed while turned on when the power supply of GOT is turned off. (The power supply is supplied from the GOT side and PLC CPU side.)

*2 The power supply of GOT is the current consumed while turned on when the power supply of PLC CPU is turned off. (The power supply is supplied from the PLC CPU side.)

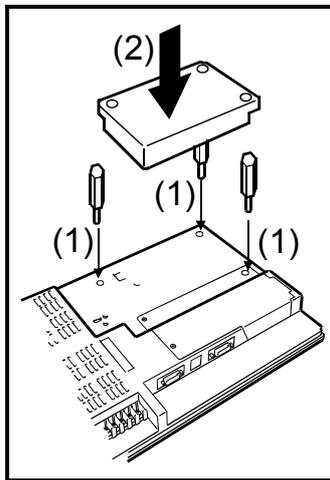
3. NAME OF THE PARTS AND OUTLINE DIMENSION DRAWING



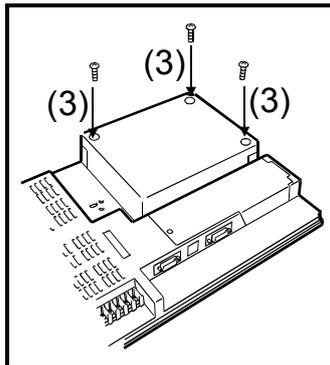
Unit:mm(inch)

No.	Name	Description
1)	Bus connection cable connecting Interface	Interface for connection of the bus connection cable (IN side)
2)	Bus connection cable connecting Interface	Interface for connection of the bus connection cable (OUT side)
3)	Communication board mounting screw hole	Screw hole for mounting to the GOT
4)	Connector	Connector for connection to the GOT
5)	Rating plate	-

4. INSTALLATION PROCEDURE



- 1) Fit the communication unit fixing fixtures in the GOT main unit.
- 2) Mount the A9GT-QBUS2 SU on the GOT interface.



- 3) Tighten and fix the mounting screws (3 pcs.) of the A9GT-QBUS2SU within the specified torque range (36 to 48N · cm). To remove the unit, use the reverse procedure to the installation.

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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