

GOT2000/GOT1000 Series **Bus Connection Unit**

User's Manual

GT15-75QBUSL GT15-75QBUS2L GT15-75ABUSL GT15-75ABUS2L

Thank you for choosing Mitsubishi Electric Graphic Operation Terminal (GOT).

Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

MODEL	GT15-75BUSL-U
MODEL CODE	1D7M04
IB(NA)-0800298-N(1806)MEE	

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●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 prod-

In this manual, the safety precautions are ranked as "WARNING"

☐ 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 $\ensuremath{\Delta}$ CAUTION level may lead to a serious accident according to the circumstances. Always follow the precautions of both levels because they are import-

ant to personal safety.

Please save this manual to make it accessible when required and always forward it to the end user.

[DESIGN PRECAUTIONS]

⚠ CAUTION

Do not bunch the control wires or communication cables with the main circuit or power wires, or lay them close to each other. As a guide, separate the lines by a distance of at least 100mm (3.94 inches) otherwise malfunctions may occur due to noise.

[INSTALLATION PRECAUTIONS]

↑WARNING

Before mounting or dismounting this unit to or from the GOT, always shut off GOT power externally in all phases. Not doing so can cause a unit failure or malfunction

⚠ CAUTION

- Use this unit in the environment that satisfies the general specifications described in the User's Manual for the GOT used. 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
- Undertightening can cause a drop, failure or malfunction.

 Overtightening can cause a drop, failure or malfunction due to screw or unit damage.

[WIRING PRECAUTIONS]

specified torque range.

MARNING

Before connecting the Bus connection cable to this unit, always shut off GOT power and PLC CPU power externally in all

⚠ CAUTION

Insert and fit the bus connection cable into the connector of the unit to be connected until it "clicks". After fitting, check for lift which can cause a malfunction due to a

[STARTUP AND MAINTENANCE PRECAUTIONS]

MARNING

Before starting cleaning, always shut off GOT power externally in all phases. Not doing so can cause a unit failure or malfunction.

⚠ CAUTION

- Do not disassemble or modify any unit. This will cause failure, malfunction, injuries, or fire.
- Do not touch the conductive areas and electronic parts of this
- Doing so can cause a unit malfunction or failure
- Always secure the cables connected to the unit, e.g. run them in conduits or clamp them. Not doing so can cause unit 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 unit. Doing so can cause unit 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 unit. Failure to do so may cause a failure or malfunctions of the unit.

[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 User's Manual for the GOT used, as they are precision

Failure to do so may cause the unit to fail.

Check if the unit operates correctly after transportation.

Manual

The following shows ma nuals relevant to this product

Detailed Manuals

Manual name	Manual number (Model code)
GOT2000 Series User's Manual (Hardware) (Sold separately)	SH-081194ENG (1D7MJ5)
GOT2000 Series Connection Manual (Mitsubishi Products) For GT Works3 Version1 (Sold separately)	SH-081197ENG (1D7MJ8)
GT16 User's Manual (Hardware) (Sold separately)	SH-080928ENG (1D7MD3)
GT15 User's Manual (Sold separately)	SH-080528ENG (1D7M23)
GOT1000 Series Connection Manual (Mitsubishi Products) for GT Works3 (Sold separately)	SH-080868ENG (1D7MC2)

Relevant Manuals

For relevant manuals, refer to the PDF manuals stored in the DVD ROM for the drawing software used

Compliance with the EMC and Low Voltage **Directives**

To configure a system meeting the requirements of the EMC and Low Voltage Directives when incorporating the Mitsubishi GOT (EMC and Low Voltage Directives compliant) into other machinery or equipment, refer to "EMC AND LOW VOLTAGE DIRECTIVES" of the General Description included with the GOT used.

The CE mark, indicating compliance with the EMC and Low Voltage Directives, is printed on the rating plate of the GOT.

Compliance with the new China RoHS

<u>directive</u> (GT15-75QBUSL, GT15-75QBUS2L) GOT 相关的基于 " 电器电子产品有害物质限制使用管理办法 " 要求的表示方法



Note: This symbol mark is for China only.

含有有害 6 物质的名称、含有量、含有部件 本产品中所含有的有害 6 物质的名称、含有量、含有部件如下表所示。 产旦由有率物质的名称及称及含量

) 阳十行古初灰的石桥及百里						
	有害物质					
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板组件	×	0	0	0	0	0
树脂壳体、电缆、膜材	0	0	0	0	0	0
钣金部件、螺丝等金属部件	0	0	0	0	0	0
Lorder Life Adm LTD, on a format a control of the Life	er odno čala slov					

- 本表格依据 SJ/T11364 的规定编制。 〇:表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 规定的限量要
- 来以下。 来以下。 ×:表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T26572規定的限

Referenced Standard: GB/T15969.2 (Requirement of Chinese standardized law)

Packing List

The following items are included.

	Model	Product	Quantity
	GT15-75QBUSL, GT15-75QBUS2L, GT15-75ABUSL, GT15-75ABUS2L	Bus connection unit	1
		Stickers	12
		GOT2000/GOT1000 Series Bus Connection Unit User's Manual (This manual)	1
			,

1. OVERVIEW

This user's manual describes the GOT2000/GOT1000 series bus connection unit (hereinafter referred to as the bus connection unit). Use the bus connection unit for making bus connection of the GOT. Refer to the User's Manual for the GOT used for the applicable GOT.

2. SPECIFICATIONS

The performance specifications of the bus connection unit are indicated below.

The general specifications of the bus connection unit are the same

as those of the GOT.

Refer to the User's Manual for the GOT used for the general specifications of the GOT.

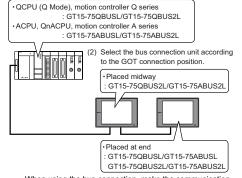
Item		GT15- 75QBUSL	GT15- 75QBUS2L	GT15- 75ABUSL	GT15- 75ABUS2L
Interfac	Interface QCPU (Q Mode) bus connection		QnA/ACPU bus connection		
Connector	IN	1	1	1	1
Connector	OUT -		1	-	1
	I/O occupied points		16 points (I/O assignment:16 intelligent points)		oints ignment: 32 points)
Internal cu consump (5VDC	tion	0.44A	0.44A	0.12A	0.12A
Weigh	t	0.13kg (0.29lb)	0.14kg (0.31lb)	0.13kg (0.29lb)	0.14kg (0.31lb)

When the GOT power is on, the internal current consumption is included in the current consumption of the GOT. When the GOT power is off, the internal current is supplied from the power supply of the PLC system.

Select the used bus connection unit according to the connection

<Bus connection unit selection example>

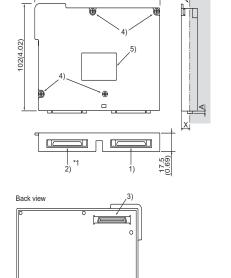
(1) Select the bus connection unit according to the connection target.



When using the bus connection, make the communication settings to perform communication between the GOT and PLC. For the details of the bus connection, refer to the GOT2000 or GOT1000 Series Connection Manual (Mitsubishi Products)

3. PART NAMES AND EXTERNAL **DIMENSIONS**

137(5.39)



Model	Α
GT15- 75QBUSL	2.5(0.10)
GT15- 75QBUS2L	2.5(0.10)
GT15- 75ABUSL	4(0.16)
GT15- 75ABUS2L	4(0.16)

Unit: mm (inch)

Unit: mm(inch)

Dimensions of X when the bus connection unit is mounted to the

GOT					
GOT	GT27	GT25	GT16	GT15	
15"	10 (0.39)	-	6.5 (0.26)	8 (0.31)	
12.1"	10 (0.39)	10 (0.39)	5(0.20)	5 (0.20)	
10.4"	10 (0.39)	10 (0.39)	8(0.31)	8(0.31)	
8.4"	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)	
5.7"	10 (0.39)	-	10 (0.39)	10 (0.39)	

Unit : mm(inch)

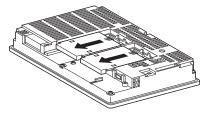
When the GT15-75QBUSL/GT15-75ABUSL is used, only the IN side connector is available

No.	Name	Description
1)	Bus connector (IN side)	Connector for connecting the bus connection cable (IN side)
2)	Bus connector (OUT side)	Connector for connecting the bus connection cable (OUT side)
3)	Extended connector	Extension connector mounted to the GOT
4)	Mounting screw	Screw (M3 screw) for fixing the unit to the GOT
5)	Rating plate	-

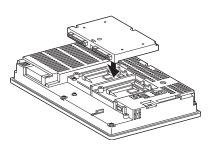
4. INSTALLATION PROCEDURE

The installation procedure for the bus connection unit is explained using the GT1575.

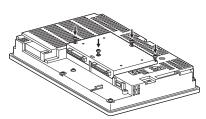
(2) Remove two extension unit covers of the GOT.



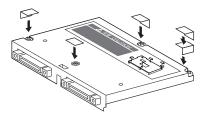
(3) Fit the bus connection unit in the GOT case



(4) Fasten the bus connection unit by tightening its mounting screws (4 places) with tightening torgue 0.36 to 0.48 N·m.



(5) After tightening screws, attach the supplied stickers to avoid receiving electrostatic



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