### **MITSUBISHI**

## GT15 CF card extension unit

**User's Manual** 

GT15-CFEX-C08SET -Set of GT15-CFEX, GT15-CFEXIF, and GT15-C08CF

Thank you for purchasing the GOT1000 Series

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

MODEL	GT15-CFEX-C08SET-U
MODEL CODE	1D7M64
IB(NA)-0800367-F(1106)MEE	



### SAFETY PRECAUTIONS●

(Be sure to read these instructions before use.)

Before using this product, read this and relevant manuals carefully and handle the product correctly with full attention to safety. Note that these precautions apply only to this product. In this manual, 

SAFETY PRECAUTIONS

are classified into 2 levels: "DANGER" and "CAUTION".

Indicates that incorrect handling may cause DANGER hazardous conditions, resulting in death or severe injury. Indicates that incorrect handling may cause ⚠ CAUTION hazardous conditions, resulting in medium or slight personal injury or physical damage.

Under some circumstances, failure to observe the  $\triangle$  CAUTION level instructions may also lead to serious accidents. Be sure to observe the instructions of both levels to ensure the

Please keep this manual in a safe place for future reference and also pass this manual on 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]

### **DANGER**

Be sure to shut off all phases of the external power supply used by the system before mounting or removing this unit to/from GOT. Not doing so can cause the unit to fail or malfunction

#### ♠ DANGER

- When installing this unit, wear a wrist strap to prevent the unit from being damaged by static electricity.
- Be sure to shut off all phases of the external power supply of the GOT main unit before connecting the cable to this unit. Not doing so can cause the unit to fail 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 the GOT side installation unit, fit it to the connection interface of the GOT and tighten the mounting screws. When installing the control panel side installation unit, install it on the control panel and tighten the screws of the installation fittings. If the screw is too loose, it may cause a drop of the unit, a failure or malfunctions. Tightening the screw excessively may damage the screw and/or the unit, resulting in a drop of the unit, a failure or malfunctions.
- When installing a CF card into this unit, be sure to insert it into the card slot of this unit.
- Before inserting or removing a CF card into/from this unit, turn the CF card access switch off. Failure to do so may corrupt data on the CF card.
- When removing a CF card from the GOT, support it by hand, as it may pop out. Failure to do so may cause the CF card to drop from the unit, resulting in a damage or failure.

### [Wiring precautions]

### **♦ DANGER**

 Be sure to shut off all phases of the external power supply used by the system before wiring Failure to do so may result in an electric shock, product damage

### **⚠ CAUTION**

- Carefully prevent foreign matter such as dust or wire chips from entering this unit. Failure to do so may cause a fire, failure or
- Plug the cable into the connector of the connected unit and tighten the mounting screws. If the screw is too loose, it may cause a short circuit or malfunctions. If too tight, it may damage the screw and/or the unit, resulting in a short circuit or

#### [Startup and maintenance precautions]

### **DANGER**

Be sure to shut off all phases of the external power supply of the GOT main unit before starting cleaning.

Not doing so can cause the unit to fail or malfunction.

### **⚠ CAUTION**

- Do not disassemble or modify this unit and CF card. Doing so can cause failure, malfunctions, personal injuries and/or a fire
- Do not touch the conductive and electronic parts of this unit directly. Doing so can cause a unit malfunction or failure.
- The cable connected to this unit must be run in a duct or clamped. Not doing so can cause the unit or cable to be damaged due to the dangling, motion or accidental pulling of the cable or can cause a malfunction due to a cable connec
- When unplugging the cable connected to this unit, do not hold and pull the cable portion. Doing so can cause the unit or cable to be damaged or can cause a malfunction due to a cable connection fault.

### **⚠ CAUTION**

- Do not drop or apply strong impact to this unit or the CF card. Doing so may damage the unit or CF card.
- Before handling this unit, touch a grounded metal object to discharge the static electricity from the human body. Failure to do so may cause failure or malfunctions of the unit.

#### [Disposal precautions]

### **⚠** CAUTION

When disposing of the product, treat it as an industrial waste

#### [Transportation precautions]

### **⚠** CAUTION

Make sure to transport this unit in the manner it 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 it is a precision device. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation

#### **MANUALS**

The following shows manuals relevant to this product

Detailed Manual

Manual name	Manual number (Model code)
GT16 User's Manual (Hardware) (Sold separately)	SH-080928ENG (1D7MD3)
GT15 User's Manual (Sold separately)	SH-080528 (1D7M23)

Relevant Manuals

relevant manuals, refer to the PDF manuals stored in the CD-ROM for the drawing software used.

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

To configure a system meeting the requirements of the 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 Radio Waves Act (South

This product complies with the Radio Waves Act (South Korea) Note the following when using the product in South Korea.

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으 로 합니다. (The product is for business use (Class A) and meets the

electromagnetic compatibility requirements.

The seller and the user must note the above point, and use the product in a place except for home.)

#### Packing List

The following items are included.

	Model		Product	Quantity
GT15- CFEX C08SI			Control panel side installation unit	1
		GT15-CFEX	Installation fitting	2
	GT15-		CF card cover fixing screw	1
	CFEX-	GT15-CFEXIF	GOT side installation unit	1
	C085E1		Fixing screw for GOT side installation unit	2
			Shorting bar	1
		GT15-C08CF	Connection cable (0.8m)	1

#### 1. OVERVIEW

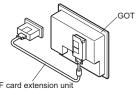
This User's Manual describes the GT15 CF card extension unit (hereinafter referred to as the CF card extension unit).

For GOT to which the units can be installed and usable CF cards, refer to the User's Manual for the GOT used.

When using an additional drive, the CF card extension unit can be used as the B drive of the GOT. The extension units used as the B drive of the GOT are a CF card

unit and a CF card extension unit. The CF card unit and the CF card extension unit cannot be used at

When using the CF card extension unit, the control panel side installation unit on the control panel has the CF card interface.
Therefore, when inserting or ejecting the CF card, there is no need to open the control panel's door



When using the CF card extension unit, set the Communication

For setting, refer to the User's Manual for the GOT used

### 2. SPECIFICATIONS

The following table shows the performance specifications of the CF card extension unit.

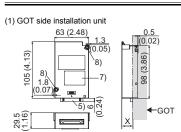
The general specifications of the CF card extension unit are the same as those of the GOT.

For the general specifications of the GOT, refer to the User's Manual for the GOT used.

	item		Specifications
Internal cui	ernal current consumption (5VDC)		0.15A (Total current of GT15 -CFEX and GT15-CFEXIF)
Desta eti ce	Outside the enclosure	CF card cover closed	IP67 or IP65 *
Protective structure		CF card cover opened	IP2X
	Inside the enclosure		IP2X
Weight			0.47kg (1.03lb)
* When changing the dust proof rubber to the CF card cover fixing			

When changing the dustproof rubber to the CF card cover f screw, the specification for the protective structure is IP67.

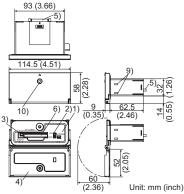
### 3. PART NAMES AND EXTERNAL **DIMENSIONS**



Dimensions of X when installing the unit on the GOT

GOT	GT16	GT15
15"	18.5 (0.73)	20 (0.79)
12.1"	17 (0.67)	17 (0.67)
10.4"	20 (0.67)	20 (0.67)
8.4"	22 (0.87)	22 (0.87)
5.7"	22 (0.87)	22 (0.87)

(2) Control panel side installation unit



	`	( , ,
No.	Name	Description
1)	CF card access LED	LED lamp lit when the CF card is accessed
2)	CF card access switch	Switch for disabling the access to the CF card ON: Access to the CF card enabled OFF: Access to the CF card disabled
3)	Eject button	Button for removing the CF card
4)	CF card cover	Cover opening/closing at CF card installation/removal
5)	Cable connector	Cable connector for connecting the GOT side installation unit and the control panel side installation unit
6)	CF card connector	Connector for installing the CF card
7)	Rating plate	-
8)	Fixing screw for GOT side installation unit	Fixing screw fixed with a front extension unit or the GOT
9)	Hole for unit installation fitting	Hole for the fitting installing the unit to the control panel
10)	Dustproof rubber	Rubber for blocking the CF card cover fixing screw hole

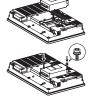
## 4. INSTALLATION PROCEDURE

The installation procedure for the CF card extension unit is explained using the GT1575.

## 4.1 Installing on GOT

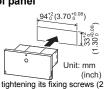
(1)Power off the GOT. (2) Remove one of extension unit cover of the GOT and fit the GOT side installation unit in the GOT case.

(3) Fix the GOT side installation unit by tightening its fixing screws (2 places) with a tightening torque of 0.36 to



## 4.2 Installing on the control panel

(1)Insert the control panel side installation unit into the installation hole of the control panel. For the installation hole, refer to the figure right.



(2) Fix the GOT side installation unit by tightening its fixing screws (2 places) with a tightening torque of 0.36 to 0.48N•m.





(3) Insert the connector with the ground cable into the GOT side Insert the connector with the ground cable into the GOT side installation unit, and insert the connector without the ground cable into the control panel side installation unit.

(For GT1655 and GT155], before connecting the connection cable to the GOT side installation unit, connect the ground cable of the connection cable to the GOT's terminal block. Because the

GOT's terminal block overlaps with the connection cable, the ground cable cannot be connected to the GOT's terminal block.)
After inserting the connectors, tighten the connection cable fixin



Shorting bar



(4)Install the shorting bar to the LG and FG terminals of the GOT's power. Connect the ground cable of the connection cable with the GOT's ground cable to the FG terminal of the GOT's power. For GT1655 and GT155□, connect the ground cable of the connection cable to the FG terminal of the GOT's power, and connect the GOT's ground cable to the protective ground terminal. (Shorting is not needed.) When connecting the ground cables, each flat side of the two solderless terminals must be faced.

For the details of wiring, refer to the User's Manual for the GOT FG Ground cable of connection cable L N LG FG L N LG Terminal Solderless screw terminal

cable of GOT

For the ground cable of the connection cable, use the following Applicable solderless terminal RAV1.25-3, V1.25-B3A, FV1.25-B3A

## 4.3 Installing CF Card Cover Fixing Screw

The protective structure of the outside the enclosure for the control panel side installation unit is IP65 in shipping. For IP67 of the protective structure, follow the procedure

#### (1)Open the CF card cover, and remove the dustproof rubber in the direction of the arrow.

(2) Insert the CF card cover fixing screw into the hole of the CF card

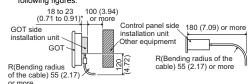
cover, and install the washer in the direction of the arrows.

(3) Close the CF card cover, and tighten the CF card cover fixing



## 4.4 Installation and Removal Precautions

(1) When installing the CF card extension unit, make space of the dimensions shown in the following figures inside the control panel. The bending radius of the cable must be the value shown in the following figures.



\*The dimension differs depending on the GOT Unit: mm (inch) When installing the control panel side installation unit on the control panel, install the unit out of the way for the equipment inside the control panel, including the cables of extension units and the CF card interface of the GOT. Keep the distance of 25mm (0.98 inch) or more between the control panel side installation unit and the GOT. For the installation location, refer to the User's Manual for the GOT used.

(2)Extension units cannot be installed on the GOT side installation unit. When installing other extension units, install the GOT side installation unit at the last

(3)When removing the GOT side installation unit, tilt  $\triangle$  PULL of the unit and remove the unit so as not to break the connector.

### 5. CF CARD INSTALLATION/REMOVAL **PROCEDURE**

## 5.1 Installation

(1)Open the CF card cover and turn off the CF card access switch of

(2) Insert the CF card into the CF card connector with the front side

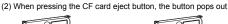




(3) Turn on the CF card access switch

#### 5.2 Removal (1) Open the CF card cover.

Turn off the CF card access switch and check that the CF card access LED turns off. (The CF card can be removed when the CF ard access LED turns off even though the GOT's power is on.)







## 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
- 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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