

The precautions given in this manual are concerned with this In this manual, the safety precautions are ranked as "WARNING" and "CAUTION".

Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
Indicates that incorrect handling may cause hazardous conditions, resulting in medium or

slight personal injury or physical damage.

Note that the  $\triangle$  CAUTION level may lead to a serious accident

according to the circumstances. Always follow the precautions of both levels because they are important to personal safety.

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

## [INSTALLATION PRECAUTIONS]

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

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٠	When mounting the GOT to the control panel, tighten the
	mounting screws in the specified torque range.
	Undertightening can cause the GOT to drop, short circuit or
	malfunction.
	Overtightening can cause a drop, short circuit or malfunction
	due to the damage of the screws or the GOT

#### **[DISPOSAL PRECAUTIONS]**

Dispose of the product as industrial waste.

Manuals

The following manuals are related to this product.

Manual Number (Model code)
SH-081194ENG (1D7MJ5)
SH-080928ENG
SH-080528ENG
JY997D44801
JY997D17501G

uals and PDF manuals, consult your loca sales office

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

## Packing List

The following item is included.

Manual name	Item	Quantity
GT05-90PCO	Protective cover for oil	1
GT05-80PCO GT05-70PCO	USB connector protective sticker	1
GT05-60PCO GT05-50PCO	GT05 Protective Cover for Oil User's Manual (This manual)	1

#### 1. Overview

This user's manual explains the GT05 protective cover for oil (hereinafter referred to as protective cover for oil). Use of the protective cover for oil improves oil resistance and chemical resistance of the GOT.\*1

\*1:Note that the structure does not guarantee protection in all users' environments. The protective cover for oil may not be used in an environment where it is exposed to oil or chemicals for a long time, or where oil mist fills the air.

The following table shows protective covers for oil and the applicable GOT

Model	Applicable GOT
GT05-90PCO	GT1695, GT1595
GT05-80PCO	GT1685, GT1585
GT05-70PCO	GT1675, GT1672, GT1575, GT1572
GT05-60PCO	GT1665, GT1662, GT1565, GT1562
GT05-50PCO	GT2105, GT1555, GT1550, GT1455, GT1450, GT1155, GT1150

## 2. Specifications

## 2.1 General specifications

Item	Specifications		
Operating ambient temperature	0°C to 50°C		
Storage ambient temperature	-20°C to 50°C		
Operating ambient humidity	10% RH to 90% RH, non-condensing		
Storage ambient humidity	10% RH to 90% RH, non-condensing		

#### 2.2 Performance specifications

The performance specifications of the protective cover for oil are indicated below

Item	GT05- 90PCO	GT05- 80PCO	GT05- 70PCO	GT05- 60PCO	GT05- 50PCO		
Level of protection	in an e	IP67 Caution:The protective cover for oil may not be used in an environment where it is exposed to oil or chemicals for a long time, or where oil mist fills the air.					
Material	Cov	Cover: Nitrile rubber, Display: PET sheet					
Weight	0.310kg	0.195kg	0.185kg	0.135kg	0.080kg		

#### POINT

For installing the GOT with the protective cover for oil, the control panel thickness must be 2 to 3mm because of the cover thickness. (Control panel thickness without the cover: 2 to 4mm)

#### 2.3 Oil resistance, chemical resistance

The protective cover for oil is made of materials with high oil and chemical resistance so that the cover can be used in various oil and chemical atmospheres.

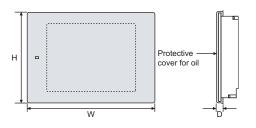
Because oils, including cutting oils, contain a small amount of additives depending on oil products, oil resistance of the cover cannot be stated. Prior to use the cover, test the cover in operating environments, and

then check the oil and chemical resistance of the cover Test contents and oil resistance of cover

The protective cover for oil is soaked in the following oils for 2000 hours, and then oil resistance of the cover is

checked.					
	Oil type	Product	Change in appearance and dimension	Adhesion between cover and sheet	Oil resistance
	Water- insoluble cutting oil	Grinding oil (Yushiron oil CL35)	No change	No change	0
	Water- soluble cutting oil	Grinding oil (Noritake cool CG-50P)	No change	No change	0

### 3. External Dimensions

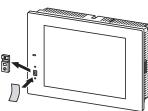


Dimensions	GT05-	GT05-	GT05-	GT05-	GT05-
	90PCO	80PCO	70PCO	60PCO	50PCO
W	408	327	314	252	178
	(16.06)	(12.87)	(12.36)	(9.92)	(7.01)
Н	307	253	228	201	146
	(12.09)	(9.96)	(8.98)	(7.91)	(5.75)
D	12	12	12	12	12
	(0.47)	(0.47)	(0.47)	(0.47)	(0.47)

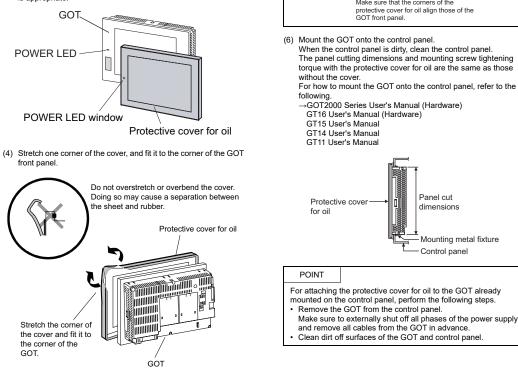
Unit: mm (inch)

## 4. Installation Procedure

- The following shows how to install the protective cover for oil on GT1575 as an example. To install the cover on GT21, GT16, or GT14, steps (1) and (2) are
- not required.
- (1) When the USB environmental protection cover is installed on the GOT, remove the cover
- (2) After removing the cover, put the USB connector protective sticker on the USB connector.

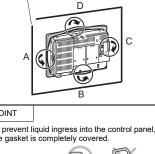


(3) Align the POWER LED window of the cover and the POWER LED of the GOT front panel to ensure that the cover orientation is appropriate



(5) Starting from one corner, fit the other corners of the cover sequentially to the corners of the GOT, and then the sides (in the order of the arrows from A to D). Make sure that the casket of the GOT rear face is entirely covered.

Starting from the upper left corner, fit the sides of the protective cover for oil in the order from A to D.



Make sure that the corners of the

When the control panel is dirty, clean the control panel. The panel cutting dimensions and mounting screw tightening torque with the protective cover for oil are the same as those For how to mount the GOT onto the control panel, refer to the

## 5. Precautions for Use

- The protective cover for oil is a consumable product. Check the cover for scratch, damage or dirt at regular (1) intervals, and replace with new one if necessary
- (2) Do not push the protective cover for oil with pointed tools, including mechanical pencils and screwdrivers. Doing so causes scratches and damages of the cover.
- (3) Do not clean the protective cover for oil with bleaches, thinners, organic solvents, corrosive chemicals, and others. Doing so causes changes in shape and color of the cover.
- (4) When the protective cover for oil is attached to the GOT, do not stretch and bend the cover too much. Doing so may cause a separation between the sheet and rubbe
- (5) Do not place or use the protective cover for oil in direct sunshine.
- (6) When the protective cover for oil gets dusts, wipe the dusts off with a damp cloth.
- (7) White particles may adhere to the rubber frame of the protective cover for oil, which does not affect the quality of the Wipe the frame with a cloth moistened with isopropyl alcohol
- or ethanol as necessary. (8) When the protective cover for oil is used, the USB connector on the GOT front face cannot be used.
- When the protective cover for oil is used, the human sensor (9) Disable the human sensor setting, refer to GT15 User's Manual.
- (10) Do not attach and remove the protective cover for oil frequently. Doing so reduces oil resistance and chemical
- resistance (11) Note that the structure does not guarantee protection in all

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#### ▲ 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 Mitsubish Electric. 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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users' environments. The protective cover for oil may not be used in an environment where it is exposed to oil or chemicals for a long time, or where oil mist fills the air.

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