

## **GT16 Protective Cover for Oil** User's Manual

GT16-50PCO

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	GT16-PCO-U
MODEL CODE	1D7MD9
IB(NA)-0800472-E(1906)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 In this manual, the safety precautions are ranked as "WARNING" and "CAUTION".



Indicates that incorrect handling may cause ⚠ WARNING hazardous conditions, resulting in death or

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

Note that the A 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.

#### **⚠ CAUTION**

When mounting the GOT to the control panel, make sure to tighten screws within the specified torque range.
Undertightening can cause the GOT to drop, short circuit or

Overtightening can cause a drop, short circuit or malfunction due to the damage of the screws or the GOT.

#### [DISPOSAL PRECAUTIONS]

#### **⚠ CAUTION**

Dispose of the product as industrial waste.

#### **Manuals**

The following manuals are related to this product.

Detailed Manual

Manual name	Manual Number (Model code)
GT16 User's Manual (Hardware)	SH-080928ENG
(Sold separately)	(1D7MD3)

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

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

#### **Packing List**

The following item is included

Manual name	Item	Quantity
GT16-50PCO	Protective cover for oil	1
	GT16 Protective Cover for Oil User's Manual (This manual)	1

#### 1. Overview

This user's manual explains the GT16 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

Model	Applicable GOT
GT16-50PCO	GT1655

#### 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	GT16-50PCO
Level of protection	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	Cover: Nitrile rubber, Display: PET sheet
Weight	0.086kg

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)

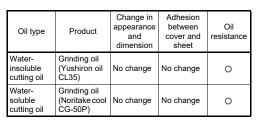
#### 2.3 Oil resistance, chemical resistance

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

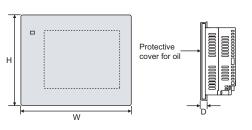
Because oils, including cutting oils, contain a small amount of additives depending on oil products, oil resistance of the cover cannot be stated.

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



### 3. External Dimensions

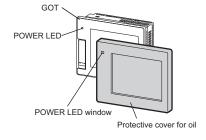


Dimensions	GT16-50PCO
W	178 (7.01)
н	146 (5.75)
D	12 (0.47)

Unit: mm (inch)

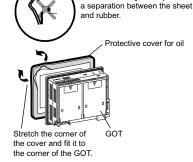
## 4. Installation Procedure

(1) 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.



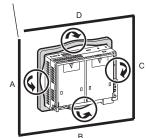
(2) Stretch one corner of the cover, and fit it to the corner of the GOT front panel.

> Do not overstretch or overbend the cover. Doing so may cause



(3) 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 gasket 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



## POINT

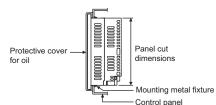
To prevent liquid ingress into the control panel, make sure that the gasket is completely covered.



protective cover for oil align those of the GOT front panel.

(4) Mount the GOT onto the control panel. 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

Mount the GOT onto the control panel by referring to GT16 User's Manual (Hardware).



## **POINT**

For attaching the protective cover for oil to the GOT already mounted on the control panel, follow the procedures as below.

Remove the GOT from the control panel.Make sure to externally shut off all phases of the power supply and remove

all cables from the GOT in advance.

Clean dirt off surfaces of the GOT and control panel.

## 5. Precautions for Use

- The protective cover for oil is a consumable product. Check the cover for scratch, damage or dirt at regula 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
- (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
- Do not attach and remove the protective cover for oil frequently. Doing so reduces oil resistance and chemical resistance.

on the GOT front face cannot be used.

(10) 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.

Warranty
Mitsubishi Electric will not be held liable for damage caused by factors found not to be the cause of Mitsubishi Electric; machine damage or lost profits caused by faults in the Mitsubishi Electric products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi Electric; damages to products other than Mitsubishi Electric products; and to other duties.

#### ⚠ For safe use This product has been manufactured as a general-purpose part for

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- 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 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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