GT25 Rugged Model

General Description

GT25T07B

Thank you for choosing Mitsubishi Electric Graphic Operation Terminal.

Before use, please read this manual thoroughly to fully understand the product.

1. FEATURES

1.1 Description

- Designed to withstand severe environments.
- IP65-rated against water and dust.
- Robust, durable, and reliable for industrial use.

2. PARTS NAMES AND SETTINGS

The following lists the parts name of GT25T07B.
4.1.2 Control panel

The GOT is an open type device (device installed to another device) and must be installed in a conductive control panel.

(1) Control Panel
(a) The control panel must be conductive.
(b) When fixing a top or bottom plate of the control panel with bolts, the shortest cable as possible (approx. 10cm (3.94 in.) or less).
(c) The shortest distance on the panel surface to surround the device. As the wires are used to relieve the equipment, it is essential that the wire is prevented from acting as an electric wave. So, it is recommended that the wire is prevented from acting as an electric wave.

4.1.3 Noise filter (power supply line filter)

The noise filter (power supply line filter) is a device effective to reduce noise. Note that the noise filter is effective for reducing conducted noise on the line from 10MHz or less. The usage of the power supply line filter is effective to reduce the noise on the power supply lines. Therefore, it is recommended to use the power supply line filter when connecting the GOT to the power supply.

The procedures required when installing a noise filter are described below.

(1) Do not install the input and output cables of the noise filter together with the power supply cables.
(2) Put the noise filter grounded to the conductive panel in order to shut down the noise generated from the GOT.
(3) Connect the noise filter's ground terminal to the panel with the thickest and shortest wire possible.
(4) The noise filter's ground terminal and the panel must be ground with the thickest and shortest wire possible.

5. INSTALLATION

5.1 Control Panel Inside Dimensions for Mounting GOT

Install the GOT on the control panel out of the way for the equipment inside the control panel. Do not install the GOT and the unit in prohibited areas for the installation.

5.2 Panel Cutting Dimensions

5.3 Mounting Position

When mounting the GOT, the following clearances must be maintained when connecting the GOT.

According to the dimensions in the following table, leave clearances between the GOT and the other devices. The values are listed in the GOT2000 Series User’s Manual (Hardware) for the vertical installation.

6. MAINTENANCE AND INSPECTION

Warranty

Mitsubishi Electric will not be held liable for damage caused by factors other than the causes of Mitsubishi Electric: machine damage or lost profits caused by faults in the Mitsubishi Electric products, damage, secondary damage, accidental compensation caused by special factors, and negligence of Mitsubishi Electric products, and products other than Mitsubishi Electric products, and actual obligations to third parties.

For safe use

- This product has been manufactured as a general-purpose part for equipment that is used in a wide range of industries and environments. The product has been manufactured under strict quality control. Before using the product for a special purpose such as nuclear power equipment, aerospace, medicine or passenger safety equipment, it is essential to confirm that the product meets the specifications.
- This product has been manufactured under strict quality control. Before using the product where tragic accidents or losses could occur if the product fails, install appropriate backup or fail-safe functions in the system.