

Read these instructions carefully and carry out the installation in the prescribed manner. After installation, keep it in a safe place for reference when required.

■ Safety Precautions

⚠ WARNING

- Always take precautions to ensure the overall safety of your system, so that the whole system remains safe in the event of failure of this product or other external factor.
- DO NOT USE THE MGT DISPLAY TO CONTROL SAFETY FEATURES OR OTHER CRITICAL OPERATIONS OF EQUIPMENT OR SYSTEMS. A COMMUNICATION ERROR FOR ANY REASON MIGHT PREVENT SUCH SAFETY FEATURES OR CRITICAL OPERATIONS FROM FUNCTIONING PROPERLY.
- Do not use this product in areas with inflammable gas. It could lead to an explosion.
- Exposing this product to excessive heat or open flames could cause damage to the lithium battery or other electronic parts.

⚠ CAUTION

To prevent abnormal exothermic heat or smoke generation, use this product at the values less than the maximum of the characteristics and performance that are assured in these specifications.

Do not dismantle or remodel the product. It could lead to abnormal exothermic heat or smoke generation.

Do not touch the terminal while turning on the electricity. It could lead to an electrical shock. The control force of the touch panel should be less than the specification of the product.

Failure to do so could lead to a damage to the product or a personal injury.

Do not press more than one point on the touch panel at a time. A touch switch located in the middle of the plural points pressed (that was not meant to be pressed) will be activated. It could lead to a damage to the facility or an accident.

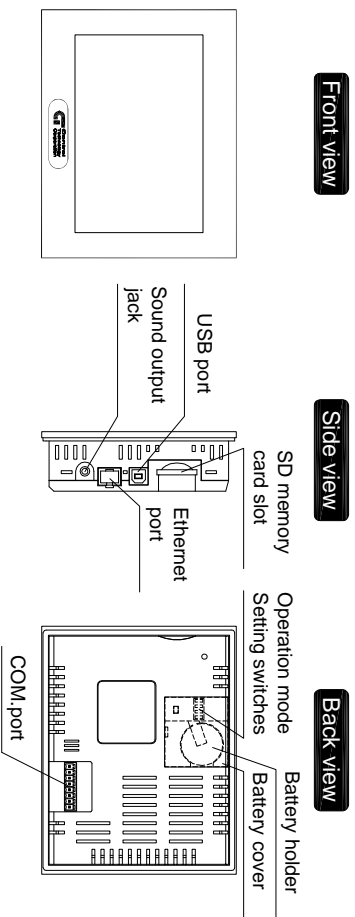
1 Before using the unit

Mounting Brackets x 2	Screws x 4	Connector x 1

■ When installing the unit, observe the following installation conditions and precautions.

- Install the unit in an environment where the ambient temperature is between 32°F and +122°F (0°C and +50°C), the humidity is between 20% RH and 85% RH (at 77°F (25°C)), non condensing), and the unit will not come in contact with water.
- If the unit is being installed in a horizontal orientation, be aware that the ambient usage temperature should be between 32°F and +104°F (0°C and +40°C).
- If the control panel and other parts are installed in an environment where the air tends to be poorly ventilated, forced cooling should be used to keep the ambient temperature from going over 122°F (50°C). This prevents the temperature of the display unit from rising.
- Avoid locations where the display unit is subjected to direct sunlight, or where condensation tends to occur.
- Avoid locations where flammable or corrosive gases are present, and where there are high concentrations of dust, iron filings, or oily smoke. (lamp black)
- Avoid locations where substances such as organic solvents (thinner, benzene, etc.) or strong alkali substances (ammonia, caustic soda, etc.) might adhere to the product.
- Avoid installing the product near high-voltage devices, power devices, amateur radio sets and other transmitters, and devices that generate strong current surges. High-voltage power lines, power lines, electrical power lines, and COM. port connection cables should be wired to separate ducts, or should be widely separated.

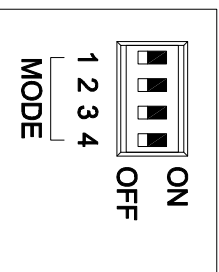
■ Name of parts



NOTE 1

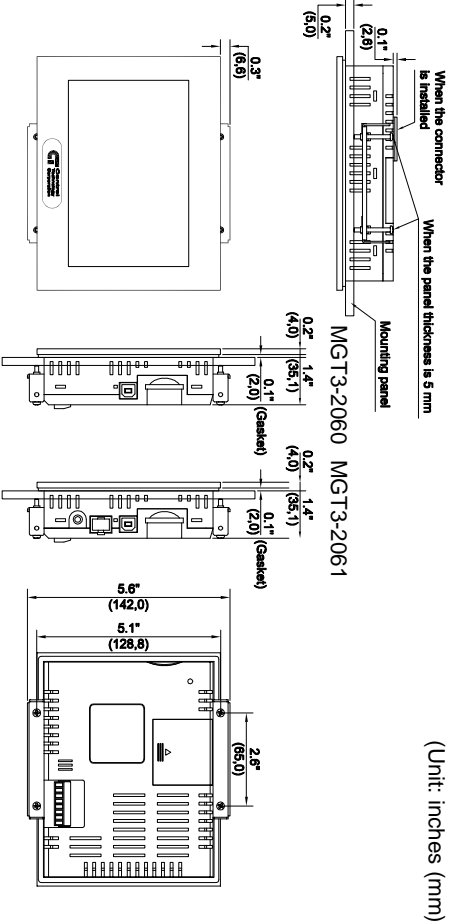
Only the MGT3-2051 supports the Ethernet port and sound output jack.

- Operation mode setting switches



Switch no.	Function	OFF	ON
1	Reserved (Usage inhibited)	Should always be in the OFF position when unit is used	
2	Inhibits system menu shift	Shift possible	Shift inhibited
3	Reserved (Usage inhibited)	Should always be in the OFF position when unit is used	
4			

2 Dimensions

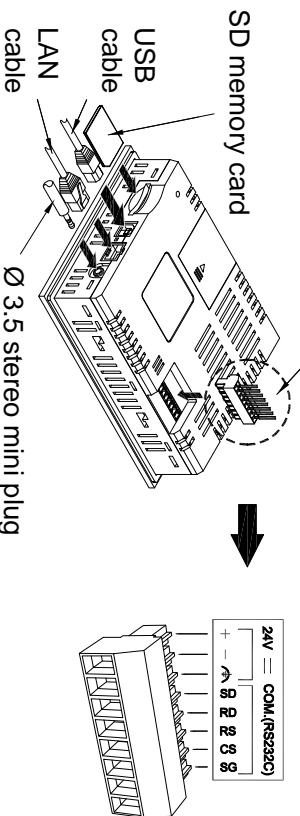


NOTE 1

When using the SD memory card slot, USB port, Ethernet port and sound output jack after the main unit has been installed, provide a clearance of approx. 2.4" (60mm) for de-installation.

3 Wiring

Connector for COM. port



NOTE 1 Arrange wiring so that it is not affected by external noise.

NOTE 2 Always use the insulated DC power supply.

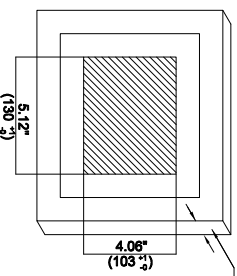
NOTE 3 In keeping with the European EMC Directive (EMC Directive 89/336/EEC), this product conforms to EN 61131-2.

NOTE 4 Use the LAN cable of UTP type.

4 Example of Main Unit Installation

Panel Cutout / Mounting hole dimensions (Unit: inches (mm))

Application panel thickness: 0.04" to 0.20"
(1.0 to 5.0 mm)



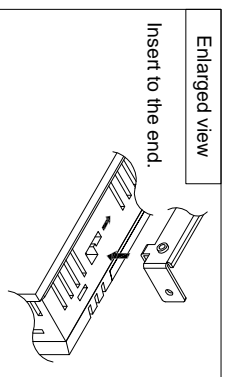
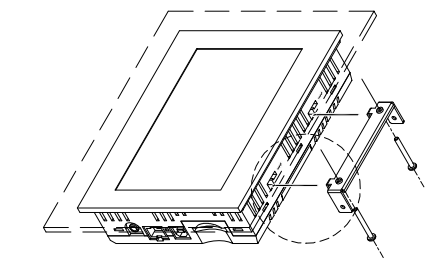
*When installing the product, if other parts are being installed to the panel or cables are being wired to it, we recommend providing a clearance of 1.2" to 2.4" (30 to 60mm) around the main unit. This prevents cables from being damaged, and facilitates the installation work.

NOTE 1 Never obstruct the slits in the main unit.

Installation method (Using the mounting brackets included with the product at two locations)

- (1) Place the main unit in the installation panel.
- (2) Insert the mounting brackets into the grooves provided in the main unit, and tighten the screws to secure the main unit to the installation panel.

Note1) Screw tightening torque: 0.1 N · m to 0.25 N · m
Note2) If you tighten the screws too much, the front panel may be deformed and the touch switch may not activate properly. Use the appropriate torque.

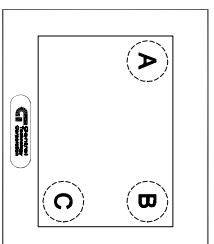


5 Confirmation Before Test Run

Before turning on the power supply, make sure the voltage of the power supply and the connection of various parts are correct.

When using the clock, device hold and alarm functions, a battery should be installed. For the detailed information on the use of the battery, please refer to the User Guide in the MGT series before using the battery.

6 Complement: Bringing Up the System Menu



- (1) Turn on the power supply.
 - (2) Press area A for at least two seconds.
 - (3) Next, immediately press area B and area C individually, in that order.
 - (4) The initial screen of the system menu is displayed.
- *Press areas A, B and C, in order, individually.
It will not work if you press them together.

7 Options and Spare Parts

Graphic Touchpanel Screen Protectors
Protective sheets, 10 in a set (Part No# 020-843251) are available in order to protect the front sheet and to keep it clean.

Waterproof Gaskets

Replacement waterproof gaskets, 10 in a set (Part No# 020-843252) are available for use when replacing the waterproof gaskets.

Replacement Mounting Brackets

Brackets, 10 in a set (Part No# 020-843153) are available.

Replacement Connector and Comm Cables (connects to Automation Controller)

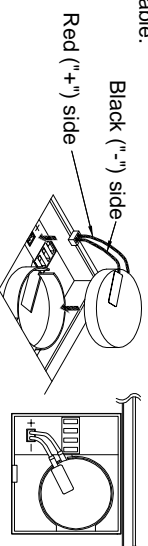
Connector for COM. port, (Part No# 020-843008)

Cables: 7' (000-288101), 15' (000-288201), 25' (000-288301) are available.

Battery

Battery (Part No# 077-3200) are available.

- Installing the battery
- (1) Slide the battery box cover, and remove it.
 - (2) Insert the connector to let the red wire come to the "+" side.
 - (3) Put the battery in the round frame.



To Order Instruction Manuals
• Instruction manuals for this product can be ordered from Control Technology Corporation at the following address:

Control Technology Corporation
www.ctc-control.com

Head Office: 25 South St, Hopkinton, Mass. 01748
Telephone : (508) 435-9595