1. FEATURES
- High speed monitoring through high speed communication at maximum of 115.2kbps.
- Transferring or monitoring the sequence programs using the personal computer connected to GOT, during direct connection to Q, QnA or A series programmable monitor screen to appear blank, while the input of the touch switch(s) remains flickers (green/orange) and the display section turns black and causes the GT1150-QLBDQ become inoperative. A system where the GOT is used should accident due to false output or malfunction.
- Effective: Jul. 2019

2. FRONT PANEL

3. SPECIFICATIONS
3.1 General Specifications
- Type: TFT color liquid crystal (STN color liquid crystal STN monochrome (white/black) liquid crystal
- Resolution: 320 240 dots
- Contrast adjustment: - 16-level adjustment
- Life: Approx. 50,000h (Operating ambient temperature of 25℃)
- Key size: Minimum 16 16 dots (per key)
- Backlight off/screen saving time can be set.
- Residual image: 20 years (Time for display intensity reaches 50%)
- Minimum displayable characters: 115 (up to 68 in one line)
- Multi-language: Supported including screen design, display adjustment, management and maintenance works
- The Marriage functions are separated by the system files
- ADesired point of touch-screen fixed.

3.2 Performance Specifications
- Contrast: 320 x 240 dots
- Display position: X: -256 to 256 Y: -200 to 200
- Display area: 160 x 120 dots
- Display mode: 16 dots (per key)
- Authentication: 16 dots (per key)
- Date format: 16 dots (per key)
- Time format: 16 dots (per key)
- Display range: ±9999.99
- Display resolution: ±9999.99

4. DESIGN PRECAUTIONS
- Design of information: the display area is configured to modify the display area may cause unnatural images.

5. MOUNTING PRECAUTIONS
- When mounting the screen on the control panel, be sure to note the correct mounting direction and attach the power supply unit used by the screen according to the correct mounting direction.

6. PRECAUTIONS
- The module has an ingress prevention label on its top to prevent foreign matter, such as chips and wire of fcuts entering the terminal arrangement of the product. Not doing so can cause a short circuit or malfunction. Overtightening can cause a short circuit or malfunction.
- The cables connected to the unit must be run in ducts or clamped. Not doing so can cause a short circuit or malfunction.
- The cables connected to the unit must be run in ducts or clamped. Not doing so can cause a short circuit or malfunction.
- Properly connect the battery connector. Do not charge, disassemble, heat, short-circuit, or put in fire.

8. BATTERY PRECAUTIONS
- The batteries will not be able to be charged in the case of a battery failure. Battery replacement is recommended upon failure or malfunction. Undertightening can cause a short circuit or malfunction.
- Battery replacement with GT11-50BAT by Mitsubishi electric Co. only. Use of another battery will not charge and may cause a short circuit or malfunction.

9. BATTERY PRECAUTIONS
- The battery can be made to operate for approximately 2 years, but the life of the batteries may vary depending on the environment and usage.
- The battery cannot be charged or used in the case of a battery failure. Battery replacement is recommended upon failure or malfunction.
- All unused batteries must be recycled or disposed of in accordance with local regulations. The battery cannot be charged or used in the case of a battery failure. Battery replacement is recommended upon failure or malfunction.
- Regularly check the battery connected to the GOT. If the battery is not charged or used in the case of a battery failure, the battery replacement is recommended upon failure or malfunction.
- The battery cannot be charged or used in the case of a battery failure. Battery replacement is recommended upon failure or malfunction.
3.4 Power Supply Specifications

**Terminal block terminal screw**

- 0.5 to 0.8[N

**Applicable solderless terminal**

- Solderless terminal for M3 screw
  - RAV1.25-3, V2-N3A, FV2-N3A

**Insulation resistance**

- 10M

Grounded condition.

**For the GT1155-QSBDA, use GT Designer2 Version2 with the version 2.59M or later.**

- It is necessary to use the GOT grounding terminal only when it is in the grounded condition.

- The GT1155-QTBDQ and GT1155-QSBDA should be used for the GT1155-QTBDA, GT1155-QSBDA, GT1150-QLBDQ, GT1150-QLBDA.

4.1 Requirements for Conformance to EMC Directive

- The GT1155-QTBDQ, GT1155-QTBDA, GT1155-QSBDQ, GT1155-QSBDA, GT1150-QLBDQ, GT1150-QLBDA have passed the certification test for the EMC Directive by Mitsubishi Electric Corporation.

4.1.1 Functional tests

**Standard**

- EN61131-2: 2007

**Recommendation**

- Programmable Controller (Open Type Equipment)

**Remark**

- EN compliance with all relevant aspects of the standard
- IEC 61131-2 (electrostatic discharge, surge, EMI conducted disturbances and Power frequency magnetic field)

5. INSTALLATION

5.1 Control Panel Inside Dimensions for Mounting GOT

**GOT**

- GT1155-QTBDQ, GT1155-QSBDQ, GT1150-QBBDQ

- GT1155-QTBDA, GT1155-QSBDA, GT1150-QLBDQ

**GOT units**

- GT1155-QTBDQ, GT1155-QSBDQ, GT1150-QBBDQ

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

5.1.1 GOT control panel

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.1.2 GT Designer2 Version2

- GT1155-QTBDA, GT1155-QSBDQ, GT1150-QBBDQ, GT1150-QLBDQ

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.1.3 GT Designer2 Version2

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.2 Panel Cutting Dimensions

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.3 Outline of GOT

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.4 Panel outline diagrams

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.5 Outline of GOT

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.6 Outline of GOT

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.7 Outline of GOT

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more

5.8 Outline of GOT

**Panel thickness:**

- 5mm (0.2”) or more

- 3.5mm (0.13”) or more

**Panel side panel width:**

- 80 (3.15) or more

- 110 (4.33) or more

- 140 (5.51) or more
5. INSTALLATION

5.1 Dimensions intérieures du tableau de commande pour le montage du GOT

5.2 Position de montage

5.2.1 Dimensions externes du tableau de commande

5.2.2 Position de montage

6. WIRING

6.1 Power Supply Wiring