GT15 RS-422 CONVERSION UNIT
User's Manual
GT15-RS2T4-9P
GT15-RS2T4-25P
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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.

1. OVERVIEW

(a) This User’s Manual describes the GT15 RS-422 conversion unit (hereafter referred to as the RS-422 conversion unit).
(b) When using the RS-422 conversion unit, refer to “EMC AND LOW VOLTAGE DIRECTIVES” of the General Description included with the GOT used, as they are precision devices.
(c) Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.

1.1 OVERVIEW

The RS-422 conversion unit is a part for converting the RS-422 interface of the GOT to the RS-232 interface of the target device. (Sold separately)

1.1.1 Features

(a) Internal current 38(1.5) 48(1.9) 58(2.3) 3(0.8)

(b) Interface D-sub 9 pins (female) D-sub 25 pins (female)

(c) RS-422 interface

2. SPECIFICATIONS

The performance specifications of the RS-422 conversion unit are indicated below.

The general specifications of the RS-422 conversion unit are the same as those of the GOT.

Refer to the User’s Manual for the GOT used for the general specifications of the GOT.

2.1 Specifications

(a) Performance specifications

(b) Interface

Interface GT15-RS2T4-9P GT15-RS2T4-25P

<table>
<thead>
<tr>
<th>Connector</th>
<th>D-sub 9 pins (female)</th>
<th>D-sub 25 pins (female)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-422 interface</td>
<td>C DK 72.9max</td>
<td>C DK 72.25max</td>
</tr>
<tr>
<td>DK max 17UDE-1500-27 (20AE)</td>
<td>17UDE-1250-27 (20AE)</td>
<td></td>
</tr>
</tbody>
</table>

(c) Current consumption (DC-DC) 0.088A

(d) Weight 0.946g (0.003lb)

3. PART NAMES AND EXTERNAL DIMENSIONS

3.1 Part names

(a) GOT connector

(b) GT15-RS2T4-9P

(c) GT15-RS2T4-25P

(d) After installation, tighten the fixing screw within the specified torque range (0.36 to 0.48 Nm).

(e) Set the GOT in the communication setting of the unit.

(f) Communication connector (RS-232 cable)

(g) Communication connector (RS-422 cable of the communication device)

(h) Screw

(i) Fastening screw

(j) Various parts

4. INSTALLATION PROCEDURE

The installation procedure for the RS-422 conversion unit is explained using the GT1000.

(a) Power off the GOT.

(b) When exporting from Japan, this manual does not require application to the Ministry of Economy and Low Voltage Directives.

4.1 Installation procedure

(a) Turn off the main circuit or power wires, or lay them close to each other.

(b) Use this unit in the environment that satisfies the general conditions indicated below.

(c) Before starting cleaning, always shut off GOT power externally.

(d) Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance described in the general specifications of the User’s Manual for the GOT used, as they are precision devices.

(e) When connecting the communication cable to the unit, be sure to power off the GOT externally in all phases. Failure to do so may cause a unit failure or malfunction.

(f) Before starting cleaning, always shut off GOT power externally in all phases. Failure to do so may cause a unit failure or malfunction.

4.2 Installation precautions

(a) Do not touch the control areas or communication cables with the main circuit or power wires, or lay them close to each other.

(b) Do not disassemble or modify the unit. Doing so can cause a failure, malfunction, injury, or fire.

(c) Do not touch the control areas and electronic parts of this unit externally during installation.

(d) After installation, tighten the fixing screw within the specified torque range. Failure to do so may cause a unit failure or malfunction.

(e) Always secure the cables connected to the unit, e.g. nut them in place or clamp them using cable clamps. Always secure the cables securely to prevent cable damage due to dragging, moved, or accidentally pulled cables or cables that cause a malfunction due to a cable contact fault.

(f) Do not hold the communication cable to the connector of the target device.

(g) Do not attach or fix the communication cable to the unit with bolts or screws.

(h) Do not disassemble or modify the unit externally during installation.

(i) Do not move the communication cable from the GT Works3 program.

(j) SH-080928ENG (Model code)

(k) Use this unit in the environment that satisfies the general conditions indicated below.

(l) Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

(m) Prior to use, please read both this manual and the relevant manuals introduced in this manual carefully and pay full attention to ensure safety to handle the product correctly.

4.3 Installation precautions

(a) Use this unit in the environment that satisfies the general conditions indicated below.

(b) Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to ensure safety to handle the product correctly.

(c) Prior to use, please read both this manual and detailed manual thoroughly to fully understand the product.

4.4 Installation precautions

(a) Do not do the work in the area of the GOT.

(b) Do not touch the control areas or communication cables with the main circuit or power wires, or lay them close to each other.

(c) Do not do the work in the area of the GOT.

(d) Do not disassemble or modify the unit. Doing so can cause a failure, malfunction, injury, or fire.

(e) Do not touch the control areas and electronic parts of this unit externally during installation.

(f) After installation, tighten the fixing screw within the specified torque range. Failure to do so may cause a unit failure or malfunction.

(g) Always secure the cables connected to the unit, e.g. nut them in place or clamp them using cable clamps. Always secure the cables securely to prevent cable damage due to dragging, moved, or accidentally pulled cables or cables that cause a malfunction due to a cable contact fault.

(h) Do not hold the communication cable to the connector of the target device.

(i) Do not attach or fix the communication cable to the unit with bolts or screws.

(j) Do not disassemble or modify the unit externally during installation.

(k) Do not move the communication cable from the GT Works3 program.

(l) Use this unit in the environment that satisfies the general conditions indicated below.

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4.5 Installation precautions

(a) Do not touch the control areas or communication cables with the main circuit or power wires, or lay them close to each other.

(b) Do not disassemble or modify the unit. Doing so can cause a failure, malfunction, injury, or fire.

(c) Do not touch the control areas and electronic parts of this unit externally during installation.

(d) After installation, tighten the fixing screw within the specified torque range. Failure to do so may cause a unit failure or malfunction.

(e) Always secure the cables connected to the unit, e.g. nut them in place or clamp them using cable clamps. Always secure the cables securely to prevent cable damage due to dragging, moved, or accidentally pulled cables or cables that cause a malfunction due to a cable contact fault.

(f) Do not hold the communication cable to the connector of the target device.

(g) Do not attach or fix the communication cable to the unit with bolts or screws.

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