## 2. System Configuration

### 2.1 Connectable Basic Base Unit and Expansion Base Unit

The GOT + BUS connection unit and the connectable basic base and extension cable unit are shown below.

<table>
<thead>
<tr>
<th>Base Model Name</th>
<th>Connection Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3B3</td>
<td>A3B3</td>
</tr>
<tr>
<td>A1B8</td>
<td>A1B8</td>
</tr>
<tr>
<td>A1BB</td>
<td>A1BB</td>
</tr>
</tbody>
</table>

#### Basic Base Unit

- A1BB (1:1 connection)
- A1B8 (1:2 connection)
- A1JCPU (1:1 connection)
- A1JCPU / 0000
- A1JCPU / 0005

#### Extension Base Unit

- A3B3 (1:1 connection)
- A3B8 (1:2 connection)
- A3B2 (1:3 connection)
- A3B5 (1:4 connection)
- A3B6 (1:5 connection)

For details regarding connectable cables, refer to the module A7G7GOT graphical operation terminal user's manual.

When the total extension length exceeds 6.6 m (21.65 ft.), use a true connection box to make the connection as shown in the following diagram.

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### 2.2 Connection Cable When Multiple GOT Are Connected

When connecting 3 to 5 units, the connection between the GOT units is shown below.

For the large type, the number of GOT units that can be connected with a maximum of 30 units (36 Hz) is shown.

- For the small type, the number of units that can be connected within a maximum extension distance of 6 m (19.68 ft.) is shown.

---

<table>
<thead>
<tr>
<th>Number of GOT Units Connected</th>
<th>Time Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

*Note: Connection cables are not included. Additional cables are needed for connections.*

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For details regarding the basic or extension based unit and the GOT system configuration, refer to the module A7G7GOT graphical operation terminal user's manual.

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## 1. Overview

This manual explains the installation method, component names, and switch settings for the model A7GT-BUS2 multiple drop bus connection interface unit referred to as "BUS connection unit".

The BUS connection unit is used to connect multiple units of the model A7GTGOT-S5-A7G7GOT graphics operation terminal hereafter abbreviated as "GOT".

Using a unit makes it possible to connect a maximum of 3 GOT units. In addition, the extension distance can be increased to a maximum of 30 units (36 Hz).

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**Model Name**: A7GT-BUS2-U-E

**Model Name Code**: 13J840
3. Name and Settings of Each Component

This unit explains the bus connection unit's component names and settings.

4. Installation

The procedure for installing and removing the GOT is shown below.

- Turn the power to the GOT off before installing or removing the GOT.

Installation
1. Insert the screw guide to the GOT's installation area.
2. Correctly install and tighten the unit's fastener screws (3 screws).

Removal
1. Remove the unit's fastener screws (3 screws) and pull out.
2. Store carefully after removal.

4.1 Screw tightening torque

Tighten the unit fastener screws, terminal screws, etc., within the ranges shown below.

<table>
<thead>
<tr>
<th>Screw's position</th>
<th>Tightening Torque Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Fastener Screw and Terminal Screw</td>
<td>23 - 49N·cm (0.26 - 0.56 ft·lb)</td>
</tr>
</tbody>
</table>

5. Handling

- Communications cables should not be bundled with main circuits or power lines, or installed in the vicinity of those circuits or power lines, as noise can cause malfunctioning.
- The GOT's operation terminal should be used only under the environmental conditions listed in the general specifications in the manual. Using it under any other conditions can cause problems such as electrical shocks, fire, malfunctioning, and damage to or deterioration of the product.
- Install the screw guide to the GOT's installation area and correctly install the unit's fastener screws. Not properly installing the unit could result in malfunction, trouble, or the unit falling.
- The communications cable should be connected securely to the connector on the communications unit. Defective contact could cause input and output errors.
- Turn off the power to the CPU and the GOT when installing or removing expansion cables. Not doing so can result in trouble and malfunction.
- Be careful never to let foreign matter such as filings or wire scraps get inside the unit. These can cause fire, breakdown, and malfunctioning.
- Never disassemble or dismantle the unit. This could cause breakdowns, malfunctioning, injury, and/or fire.
- Always turn off the power supply before attaching or detaching the unit. Doing this while the conductivity is being supplied could cause the unit to break down, or could result in malfunctioning.
- When discarding this product, it should be handled as an industrial discard.
- The unit is made of plastic so do not drop it or forcefully strike it.

6. External Dimension Diagram

6.1 External Dimension Diagram

6.2 Back View Dimension Diagram When Expansion Cable is Connected

- For Straight Type Connectors
- For Right Angle Type Connectors

Table:

<table>
<thead>
<tr>
<th>Cable Model Name</th>
<th>01-128</th>
<th>00-32</th>
<th>00-64</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC09/12/120/1200</td>
<td>1.5</td>
<td>1.4</td>
<td>1.7</td>
</tr>
<tr>
<td>AC09/12/120/1200</td>
<td>1.5</td>
<td>1.4</td>
<td>1.7</td>
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<td>1.4</td>
<td>1.7</td>
</tr>
</tbody>
</table>

* For clarification regarding the unit setting switch and I/O slot setting switch settings method refer to the A77GOT-66 User's manual and the A61GUD user's manual.