The GOT product package includes the following:

- GOT related representation of "Electrical and Electronic Equipment Restriction of Hazardous Substances Management Method" according to the "Electrical and Electronic Equipment Restriction of Hazardous Substances Management Method" (the "Method").


- GT23 General Description (This manual) 1

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**SAFETY PRECAUTIONS**

- **CAUTION:**

  - Do not use the GOT as the warning device that may cause a serious accident.
  - When the GOT is connected to the Ethernet network, the available IP address range may lead to a serious accident.
  - An independent and redundant hardware or mechanical interlock is required to ensure the safety of the system incorporating the GOT.

- **WARNING:**

  - Failure to use the GOT in accordance with the specifications and/or instructions may cause a fire, electric shock, or other injuries.

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**PRECAUTIONS WHEN THE DATA STORAGE IS IN USE**

- **CAUTION:**

  - If the GOT is not properly mounted in the control panel, the GOT may be removed from the control panel due to oscillation or vibration.
  - When disposing of this product, treat it as industrial waste.
**6. EMC AND LOW VOLTAGE DIRECTIVE**

Electromagnetic Compatibility (EMC) and the Low Voltage Directive (LVD) are essential for the safety and functionality of electrical equipment. The Low Voltage Directive (LVD) applies to products with voltages between 50 and 1000 V, while the EMC directive applies to products with frequencies between 150 kHz and 130 kHz. Both directives are necessary to ensure that equipment functions safely and efficiently in their intended environments. 

**4.1 Requirements to Meet EMC Directive**

The standards for the EMC Directive are shown below:

**4.1.1 Electrical Safety**

The insulation specification of the GOT was designed assuming the insulation requirements of category II according to the IEC61010. The Low Voltage Directive requires each device which operates with power supply ranging from 50VDC to 1000VDC to be subjected to checking and tests to ensure its conformity to the Low Voltage Directive requirements as described. Each manufacturer and manufacturer's such device must meet the following requirements in accordance with the Low Voltage Directive and the product's compliance.

**4.1.2 Control panel**

The GOT is an open type device (installed to another device), so it is not safe in the event of a power failure and does not return delayed information to the user in the event of a power failure.

**4.1.3 Noise filter**

Noise filter (power supply line filter) is installed to prevent the output side noise from being introduced into the input side of the GOT. It is designed to suit the GOT's noise suppression requirements specified in the following table.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input side</td>
<td>Mean: 60dB*2</td>
<td>50 (1,97) or more</td>
</tr>
<tr>
<td>Power line (between lines)</td>
<td>Mean: 60dB*2</td>
<td>50 (1,97) or more</td>
</tr>
<tr>
<td>Power line (between lines) to ground</td>
<td>Mean: 60dB*2</td>
<td>50 (1,97) or more</td>
</tr>
<tr>
<td>Data communication port</td>
<td>Mean: 60dB*2</td>
<td>50 (1,97) or more</td>
</tr>
<tr>
<td>Analog I/O</td>
<td>8kV Aerial discharge</td>
<td>72 (2.83) or more</td>
</tr>
<tr>
<td>Digital I/O</td>
<td>8kV Aerial discharge</td>
<td>72 (2.83) or more</td>
</tr>
<tr>
<td>Digital I/O</td>
<td>80%AM modulation@1kHz</td>
<td>72 (2.83) or more</td>
</tr>
<tr>
<td>*1: When opening or closing the battery cover: 72(2.83) or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*2: QP (Quasi-Peak): Quasi-peak value, Mean: Average value</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**4.2 Requirements for Compliance with the Low Voltage Directive**

The Low Voltage Directive requires each device which operates with power supply ranging from 50VDC to 1000VDC to be subjected to checking and tests to ensure its conformity to the Low Voltage Directive requirements as described. Each manufacturer and manufacturer's such device must meet the following requirements in accordance with the Low Voltage Directive and the product's compliance.

**4.2.1 Standard subject to GOT**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category I: Power supply voltage which has been reduced by more than 6.0% (V)</td>
<td>Category I</td>
</tr>
<tr>
<td>Category II: Power supply voltage which has been reduced by more than 6.0% (V)</td>
<td>Category II</td>
</tr>
<tr>
<td>Category III: Power supply voltage which has been reduced by more than 6.0% (V)</td>
<td>Category III</td>
</tr>
</tbody>
</table>

**5. INSTALLATION**

**5.1 Control Panel Inside Dimensions for Mounting GOT**

Mount the GOT only inside the control panel in the way for the equipment inside the control panel. Do not mount the GOT and the unit in this position on the wall.

**5.2 Panel Cutting Dimensions**

**6. MAINTENANCE AND INSPECTION**

Refer to the GT2300 Series User's Manual (Hardware) for maintenance and inspection of the GOT.

**Warranty**

Mitsubishi Electric will not be held liable for damage caused by failure to follow the specifications of the GOT, including but not limited to damage or loss caused by electrical or mechanical failures, damage caused by failure to properly install or maintain the equipment, damage caused by the equipment's inability to perform its intended function, or damage caused by the equipment's inability to perform its intended function.