OPERATING INSTRUCTIONS

ZONE MANAGERS

Thank you for purchasing TOA's Zone Manager.
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

1. GENERAL DESCRIPTION

The ZM-9001 is a remote control switch panel used with the 9000 Series amplifiers. It adds 6 control inputs and can be mounted in a 1-gang electrical box.
The ZM-9002 is a remote control switch/volume panel used with the 9000 Series amplifiers. It adds 4 control inputs and 1 volume control, and can be mounted in a 1-gang electrical box.

2. NOMENCLATURE AND FUNCTIONS

2.1. ZM-9001

1. Control buttons [1 – 6]
   - Activate the function assigned to them when pressed.

2. Control output terminal [E, OUT]
   - Connect this terminal to the 9000 Series amplifier's REMT VOL terminal.
   - Use a shielded cable with 50 Ω or less line resistance (per line) for this connection.
   - Avoid installation of this cable and power cables in the same conduit. Separate piping.

2.2. ZM-9002

3. Control buttons [1 – 4]
   - Activate the function assigned to them when pressed.

4. Volume control
   - Adjusts the volume on the assigned input or output channel.

5. Control output terminal [E, OUT]
   - Connect this terminal to the 9000 Series amplifier's REMT VOL terminal.
   - Use a shielded cable with 50 Ω or less line resistance (per line) for this connection.
   - Avoid installation of this cable and power cables in the same conduit. Separate piping.

3. CONNECTIONS

Connecting the ZM-9001 Zone Manager to the 9000 Series amplifier adds 6 control inputs and allows the equipped 6 control buttons to perform the functions assigned for input's or output's channel volume up/down, or other functions.
Connecting the ZM-9002 Zone Manager to the 9000 Series amplifier adds 1 volume control and 4 control inputs. Volume of the input or output channels can be remotely adjusted with the volume control, and the 4 control buttons can be assigned the same functions as those of the ZM-9001. Function assignment to the control buttons or volume control is performed at the 9000 Series amplifier. For the method, refer to the instruction manual supplied with the 9000 Series amplifier.

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### 4. DIMENSIONAL DIAGRAMS

#### 4.1. ZM-9001

- **Front View without panel**
- **Side**
- **Bottom**

#### 4.2. ZM-9002

- **Front**
- **Side**
- **Bottom**

### 5. SPECIFICATIONS

#### 5.1. ZM-9001

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Cable</td>
<td>Shielded cables</td>
</tr>
<tr>
<td>Line Resistance</td>
<td>Under 100 Ω (loop)</td>
</tr>
<tr>
<td>Terminal</td>
<td>M3 screw terminal, distance between barriers: 7.62 mm</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10 to +40°C</td>
</tr>
<tr>
<td>Finish</td>
<td>Surface-treated steel plate, white, paint</td>
</tr>
<tr>
<td>Dimensions</td>
<td>72 (w) x 127 (h) x 45 (d) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>170 g</td>
</tr>
</tbody>
</table>

**Note:** The design and specifications are subject to change without notice for improvement.

**Accessories**

- Machine screw (for box mounting) No.6-32UNC x 30
- Machine screw (for panel mounting) No.6-32UNC x 6

#### 5.2. ZM-9002

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Applicable Cable</td>
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<tr>
<td>Finish</td>
<td>Surface-treated steel plate, white, paint</td>
</tr>
<tr>
<td>Dimensions</td>
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</tr>
<tr>
<td>Weight</td>
<td>170 g</td>
</tr>
</tbody>
</table>

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