

## SPEAKER SELECTOR

## SS-9001

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

### 1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.



**WARNING** Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

- External wiring connected to the terminals marked with ⚡ requires installation by an instructed person.

### 2. GENERAL DESCRIPTION

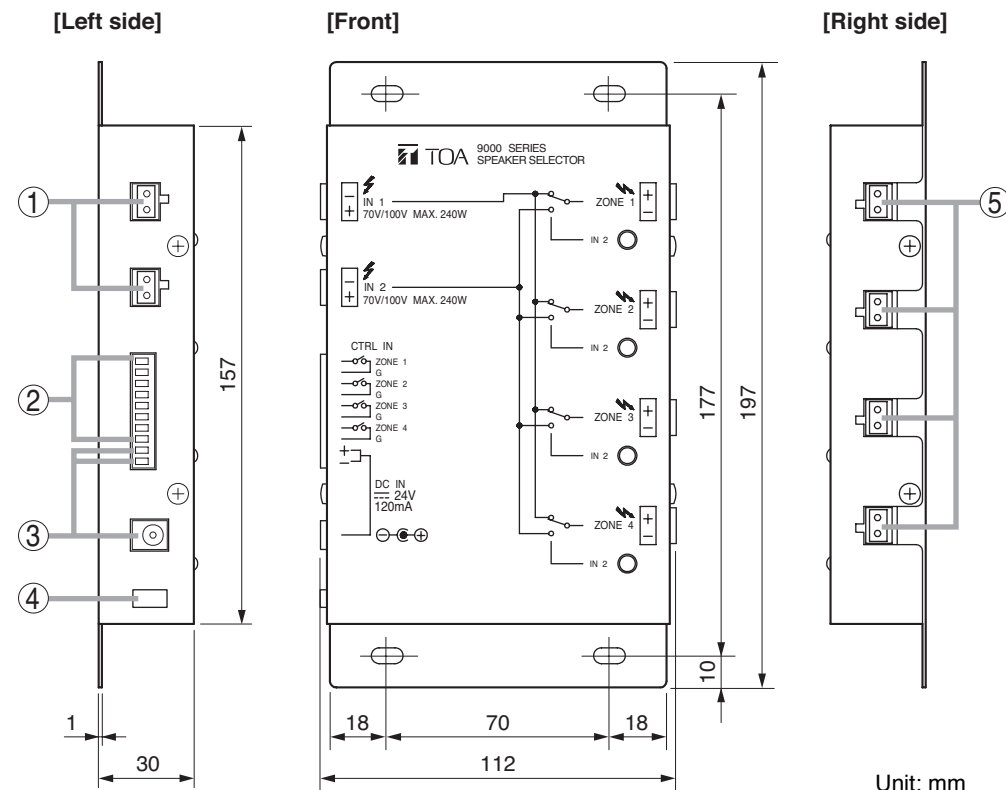
The SS-9001 is a speaker selector used with 9000 series amplifier. It selectively distributes each of 2 inputs to the same 4 output zones.

### 3. SPECIFICATIONS

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Power Source          | Supplied from the optional AD-246 AC adapter or an external 24 V DC/200 mA power supply.                                |
| Current Consumption   | 120 mA                                                                                                                  |
| Control Signal        | No-voltage make contact input (polarized), open voltage: 24 V DC, short-circuit current: 3 mA                           |
| Control Power         | Under 240 W (70 V/100 V line)                                                                                           |
| Speaker Terminal      | Removable terminal block (2 pins)                                                                                       |
| Control Terminal      | Removable terminal block (10 pins)                                                                                      |
| Operating Temperature | -10 to +40°C                                                                                                            |
| Finish                | Case: Surface-treated steel plate                                                                                       |
| Dimensions            | 112 (w) x 197 (h) x 30 (d) mm                                                                                           |
| Weight                | 530 g                                                                                                                   |
| Accessories           | Removable terminal plug (2 pins) x 6, Removable terminal plug (10 pins) x 1, Cord clamp x 1, Tapping screw (4 x 20) x 4 |

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

### 4. NOMENCLATURE AND FUNCTIONS



#### 1. Speaker input terminals [IN 1, IN 2]

2-pin removable terminal blocks. Connect the speaker output (high impedance line, up to 240 W) from the power amplifier to each terminal. Short the IN 2 terminal's pins when only the IN 1 terminal is used.

#### 2. Control input terminal [CTRL IN]

8 pins in the 10-pin removable terminal block. Receives the control signals (polarized non-voltage contacts) from the ZP-001T when the 9000 series amplifier is in the Matrix "Sub-Mode" (single output or BGM/PAGE), and activates the inner relays. This terminal can also receive control signals from the control output terminals of the 9000 series amplifier or C-001T Control I/O Expansion Module. (For details, refer to the 9000 series amplifier's instruction manual.)

#### 3. DC power input terminals [DC IN]

Requires the power input of 24 V DC. DC input terminal or 2 pins in the 10-pin removable terminal block. Connect the power source that can supply 200 mA or more to this terminal. The optional AD-246 AC Adapter can be used for the power supply.

#### 4. Cord clamp

Fixes the AC adapter's power cord.

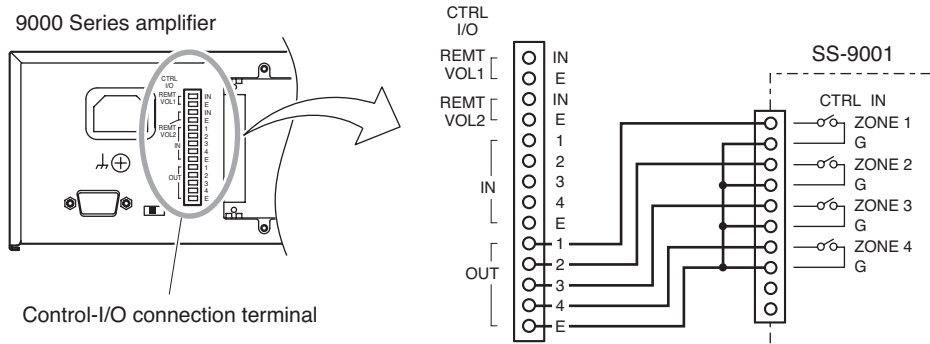
#### 5. Speaker output terminals [ZONE 1/2/3/4]

2-pin removable terminal blocks. Connect speakers to each terminal, which is capable of delivering 240 W output on a line.

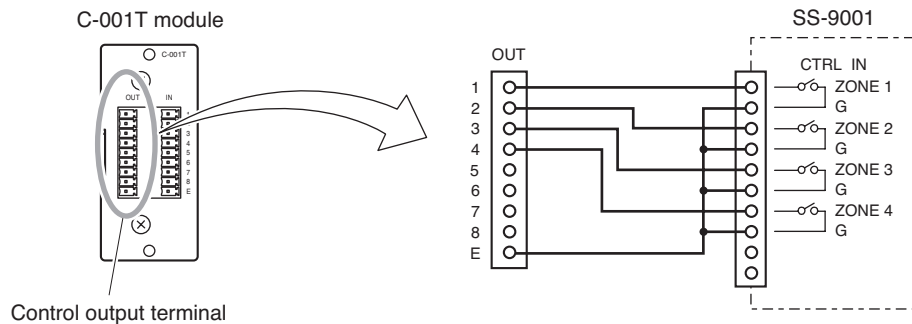
## 5. CONNECTIONS

The control input terminals of SS-9001 are polarized non-voltage contact inputs. With the output terminal setting in the 9000 series amplifier, the SS-9001's internal relays can be activated. Make necessary connections depending on applications.

### 5.1. Connecting the 9000 Series Amplifier



### 5.2. Connecting the C-001T Module



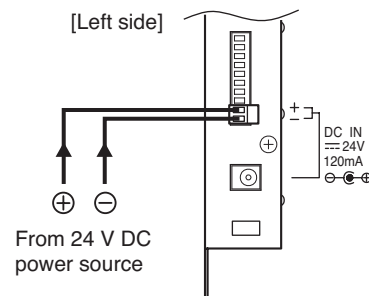
## 6. POWER SOURCE CONNECTIONS

### 6.1. When Using a 24 V DC Power Source

Connect a 24V DC power source to the SS-9001's DC power input terminal shown at right.

#### Notes

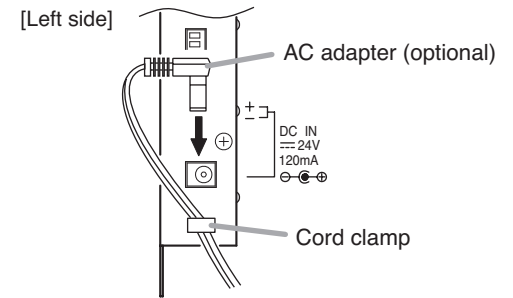
- The DC power supply unit should be capable of supplying 200 mA or more.
- The DC power fed to this terminal should be from 21.6 to 26.4 V. If the input voltage exceeds this range, the SS-9001 may malfunction or fail.



### 6.2. When Using the Optional AC Adapter

Connect the optional AD-246 AC Adapter to the SS-9001's DC power input terminal shown at right.

Pinch the adapter cord with the cord clamp to securely fix the cord.



## 7. REMOVABLE TERMINAL PLUG CONNECTION

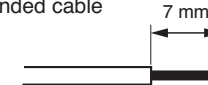
Be sure to use the supplied removable terminal plugs for connections to the removable terminal blocks.

#### Caution

Avoid soldering stranded cable, as contact resistance may increase when the cable is tightened and the solder is crushed, possibly resulting in an excessive rise in joint temperatures.

#### [Cable end treatment]

Solid or stranded cable



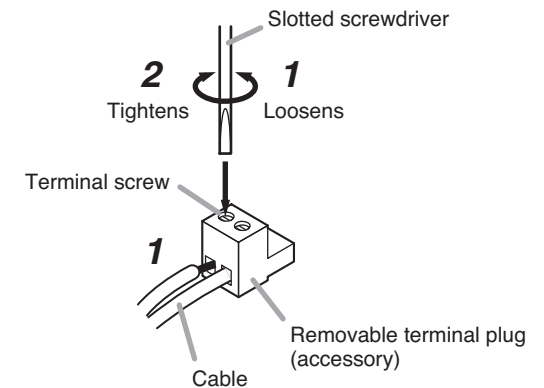
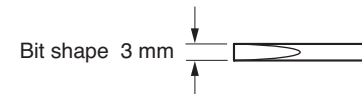
#### [Connector connection]

**Step 1.** Loosen the terminal screw, then insert the cable.

**Step 2.** Loosen the terminal screw, then insert the cable. (Pull on the cable to ensure it is securely connected.)

#### Tip

Recommended slotted screwdriver type:  
Screwdriver with 3 mm blade width



### Traceability Information for Europe (EMC directive 2004/108/EC)

Manufacturer:  
TOA Corporation  
7-2-1, Minatojima Nakamachi, Chuo-ku, Kobe, Hyogo,  
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