4. SPECIFICATIONS

Model	AT-4012 AS	AT-4012 AS		AT-4030 AS	
Input Capacity	12 Watt		30 Watt		
Attenuations	8 Steps (0 dB, -3dB, -6dB, -9dB, -12dB, -15dB, -18dB, OFF)				
Override Indicator	Red LED (4-wire connection only)				
Overriding Voltage	24V, 11mA DC (4-wire connection only)				
Dimensions	86 (W) x 86 (H) x 24 (D) mm		86 (W) x 86 (H) x 51 (D) mm		
Weight	0.12 Kg		0.45 Kg		
Color	White (RAL 9016 or equivalent)				
Finish	Knob, Cover Panel : ABS Resin, White (RAL 9016 or equivalent)				
	Front Panel (Plate) : Surface treated steel plate				
Terminal	Screw type x 5 (Terminal)				
Usable Cable	Cable range 22 - 14 AWG				
Model	AT-4060 AS	AT-41	20 AS	AT-4200 AS	
Input Capacity	60 Watt	120	Watt	200 Watt	
Attenuations	8 Steps (0 dB, -3dB, -6dB, -9dB, -12dB, -15dB, -18dB, OFF)				
Override Indicator	Red LED (4-wire connection only)				
Overriding Voltage	24V, 11mA DC (4-wire connection only)				
Dimensions	86 (W) x 86 (H) x 51 (D) mm				
Weight	0.46 Kg	0.48	3 Kg	0.49 Kg	
Color	White (RAL 9016 or equivalent)				
Finish	Knob, Cover Panel : ABS Resin, White (RAL 9016 or equivalent)				
	Front Panel (Plate) : Surface treated steel plate				
Terminal	Screw type x 5 (Terminal)				
Usable Cable	Cable range 22 - 14 AWG				
Usable Cable		Cable range	7 ZZ - 14 AVVC	<u> </u>	

Note:

- Back Box is not available for AT-4012 AS.
- The design and specifications are subject to change without notice for improvement.

Accessories

Traceability	Information	for Europe
--------------	-------------	------------

Manufacturer:
TOA Corporation
7-2-1, Minatojima-Nakamachi, Chuo-ku, Kobe, Hyogo,
Japan
Authorized representative:
TOA Electronics Europe GmbH
Suederstrasse 282, 20537 Hamburg,
Germany



URL: http://www.toa.com.sg/

133-05-00026-00

TOA

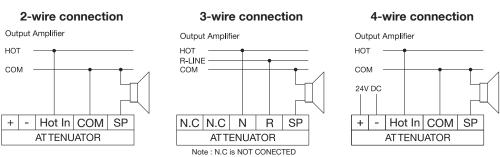
INSTALLATION MANUAL

ATTENUATOR

AT-4000 SERIES

Please follow the instructions manual to obtain the optimum results from this unit. We also recommend that you keep this manual handy for future reference.

1. WIRING DIAGRAMS



2. CONNECTIONS

- Strip the shield of the cable approx. 9mm.
- After loosening the screws at terminal block, insert the core of the cables fully into the specified terminal block. Tighten the screws and make sure the cables are not loose.

Applicable cable : Range : 22 - 14 AWG

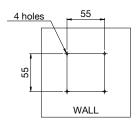
Solid copper wire : \emptyset 0.6mm - \emptyset 1.6mm Stranded copper wire : \emptyset 0.8mm - \emptyset 2mm

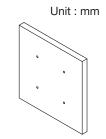
3. INSTALLATIONS

This product can be installed by Surface Mounting or Flush Mounting. We recommend following step by step to install this product. For better installation, please consult a contractor, dealer, or professional installer.

3.1. SURFACE MOUNTING

 To prepare for installation, mark the 4 holes on the wall with the back box as shown in the picture. For AT-4012 AS which uses the common electrical box, check the dimension specifications of the common electrical box for proper installation.





TOA Corporation

- Step 1. Install the back box with suitable screws on the surface of the wall.
- Step 2. Connect the recommended cable to the terminal.

WARNING:

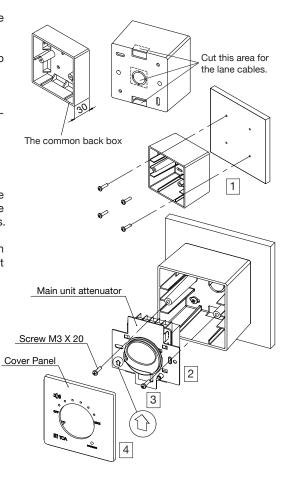
Do not supply 24V DC when connecting 4-wire attenuator system.

Step 3. Install the main unit to the back box.

Note:

For AT-4012 AS, the screw size should be compatible with the common electrical box specifications.

Step 4. Attach the cover panel to the main unit attenuator until the hook mount clips perfectly.

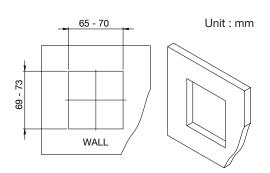


3.2. FLUSH MOUNTING

Flush mounting installation can be implemented in 2 ways, with back box or without back box.

3.2.1 FLUSH MOUNTING WITH BACK BOX

 To prepare for installation, mark the opening on the wall with rectangular pattern as shown in the picture. For AT-4012 AS which uses the common electrical box, check the dimension specifications of the common electrical box for proper installation.



- Step 1. Install the back box inside the wall.
- Step 2. Connect the recommended cable to the terminal.

WARNING:

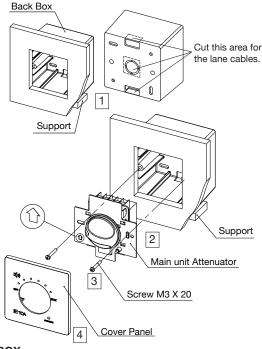
Do not supply 24V DC when connecting 4-wire attenuator system.

Step 3. Install the main unit to the back box.

Note:

For AT-4012 AS, the screw size should be compatible with the common electrical box specifications.

Step 4. Attach the cover panel to the main unit attenuator until the hook mount clips perfectly.



3.2.2 FLUSH MOUNTING WITHOUT BACK BOX

- To prepare for installation, mark the opening on the wall as shown in the picture. This mounting method can be used for all models.
- Step 1. Make opening on the wall.
- Step 2. Connect the recommended cable to the terminal.

WARNING:

Do not supply 24V DC when connecting 4-wire attenuator system.

- Step 3. Install the main unit directly to the wall using screws that are suitable Cover Panel for the kind of wall.
- Step 4. Attach the cover panel to the main unit attenuator until the hook mount clips perfectly.

