

**AT100**  
shown in standard backbox



Standard Wall Plates are Stainless Steel with Stamped & Filled Dial Scale, and a Skirted Black Knob.



AT10D, AT35D and AT100D models include both White and Ivory Plastic decora inserts, trim plates and Skirted Knobs.

Atlas Sound Attenuators are designed with a smaller footprint to fit easily into readily available electric outlet boxes while maintaining the highest levels of efficiency. A higher quality core (see "The Method" below) was the primary requirement to make the unit smaller and reach this design goal.

### Common Features

- Detachable "Phoenix" Style Connector for Easy Installation
- Newly Designed D-shaft Knob for Better Stability
- UL Listed

### AT Series Features

- 10, 35 & 100 Watt Models
- 3dB/step Positive Detent Attenuation (10 steps plus off)
- Standard Model includes Stainless Steel Single Gang Wall Plate with Dial Scale, and a Skirted Black Knob
- Decora model (ATxxD) includes both White and Ivory Plastic Trim Plates, Inserts, and Matching Skirted Knobs
- All Models Now Mount into Most 1-Gang E.O. Boxes
- Popular Rack Mount Attenuator Versions are Available for Mounting onto Blank Panels in Equipment Cabinets With Optional **ATPLATE-052** Rack Mount Kit
- Optional "Priority Relay" Models Available in stainless plate or rack versions

### E408-100 Features

- 100 Watt power rating
- 1.5dB/step Positive Detent Attenuation (10 Steps plus off) specially designed for sound masking applications where precise zone level control is required
- Includes Stainless Steel Single Gang Wall Plate with Dial Scale and Skirted Black Knob as well as matte black polycarbonate dial scale overlay for rack mounting applications when used with optional **ATPLATE-052**

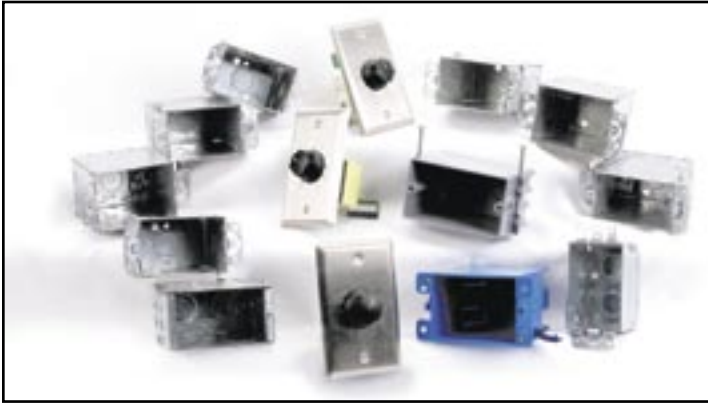
### The Method

**Steel** - Atlas Sound uses grain-oriented silicon iron laminates in its attenuators. Steel can be thought of in terms of efficiency. Grain-oriented laminations carry higher magnetic flux densities and require lower magnetizing currents. If the laminations can carry a higher magnetic flux density, a smaller cross-sectional area (smaller core) is required for a given application.

A smaller core leads to fewer turns of copper (wire) required to excite it. Less copper means lower resistance and lower heat. Lower heat means higher efficiency. Choosing a higher grade of transformer lamination translates, in every way to higher efficiency in smaller designs.

### Precise Transformer Windings

Atlas Sound utilizes state of the art transformer winding machines to create the most dense wire pack possible helping to create an incredibly efficient performance in the new smaller footprint.



Shown with standard electrical boxes



Three AT Attenuators shown mounted on the new Atlas Sound Model AT PLATE-052

## The VPF (Vacuum Pressure Finalization) Process

All transformers are varnished or wax dipped, but Atlas Sound Transformers are varnish dipped in a vacuum. To cure the varnish at an accelerated rate the transformers are then removed and baked at 130° C. Varnish dipping not only seals the assembly by locking the laminates, bobbin and windings in place, it also minimizes "singing." Poorly sealed transformers produce a humming or vibrating sound when driven at near capacity. In extreme cases, one can actually hear the music through the attenuator. The sound is the result of the bobbin or windings vibrating against each other or against the steel laminates in the alternating magnetic field produced in the iron.

## The Results

An amazing performance from a new compact unit poised to become the standard for the next generation of 70.7V auto-former attenuator applications.

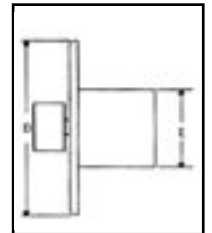
DIMENSIONAL SPECIFICATIONS  
PLATE MOUNTED ATTENUATORS

MODEL	A	B	C	D	E
AT10	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT10-PA	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT35	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT35-PA	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT100	4 1/2"	2 1/2"	2 3/4"	2 3/4"	1 3/4"
AT100-PA	4 1/2"	2 1/2"	2 3/4"	2 3/4"	1 3/4"
E408-100	4 1/2"	2 5/8"	2 1/16"	2 3/4"	2 5/16"

Side View



Top View



MODEL	POWER RATING (WATTS)	ATTENUATION PER STEP	TOTAL ATTENUATION	INSERTION LOSS	PLATE STYLE	PLATE TYPE	PRIORITY PAGE RELAY
AT10	10	3dB	27dB	.4dB	STANDARD, 1 Gang	STAINLESS	N/A
AT10D	10	3dB	27dB	.4dB	Decora, 1 Gang	Inc. WHITE & IVORY INSERTS, TRIM RINGS, KNOBS	N/A
AT10-PA	10	3dB	27dB	.4dB	STANDARD, 1 Gang	STAINLESS	24VDC, 10mA, SPST
AT10-RM	10	3dB	27dB	.4dB	NONE (INC. RM DIAL SCALE)	N/A	N/A
AT10-PARM	10	3dB	27dB	.4dB	NONE (INC. RM DIAL SCALE)	N/A	24VDC, 10mA, SPST
AT35	35	3dB	27dB	.6dB	STANDARD, 1 Gang	STAINLESS	N/A
AT35D	35	3dB	27dB	.6dB	Decora, 1 Gang	Inc. WHITE & IVORY INSERTS, TRIM RINGS, KNOBS	N/A
AT35-PA	35	3dB	27dB	.6dB	STANDARD, 1 Gang	STAINLESS	24VDC, 10mA, SPST
AT35-RM	35	3dB	27dB	.6dB	NONE (INC. RM DIAL SCALE)	N/A	N/A
AT35-PARM	35	3dB	27dB	.6dB	NONE (INC. RM DIAL SCALE)	N/A	24VDC, 10mA, SPST
AT100	100	3dB	27dB	.6dB	STANDARD, 1 Gang	STAINLESS	N/A
AT100D	100	3dB	27dB	.6dB	Decora, 1 Gang	Inc. WHITE & IVORY INSERTS, TRIM RINGS, KNOBS	N/A
AT100-PA	100	3dB	27dB	.6dB	STANDARD, 1 Gang	STAINLESS	24VDC, 10mA, SPST
AT100-RM	100	3dB	27dB	.6dB	NONE (INC. RM DIAL SCALE)	N/A	N/A
AT100-PARM	100	3dB	27dB	.6dB	NONE (INC. RM DIAL SCALE)	N/A	24VDC, 10mA, SPST
E408-100	100	1.5dB	15dB	.6dB	STANDARD, 1 Gang, (INC. RM DIAL SCALE)	STAINLESS	N/A

• Five Year Limited Warranty •



1601 Jack McKay Blvd.  
Ennis, TX 75119  
AtlasSound.com  
Tech Support 800.876.3333

Printed in the USA  
Specifications are subject to change without notice.

©2004 Atlas Sound LP. Atlas Sound is a trademark of Atlas Sound LP. All rights reserved.

484076

000904

ATS001156 RevB 9/04