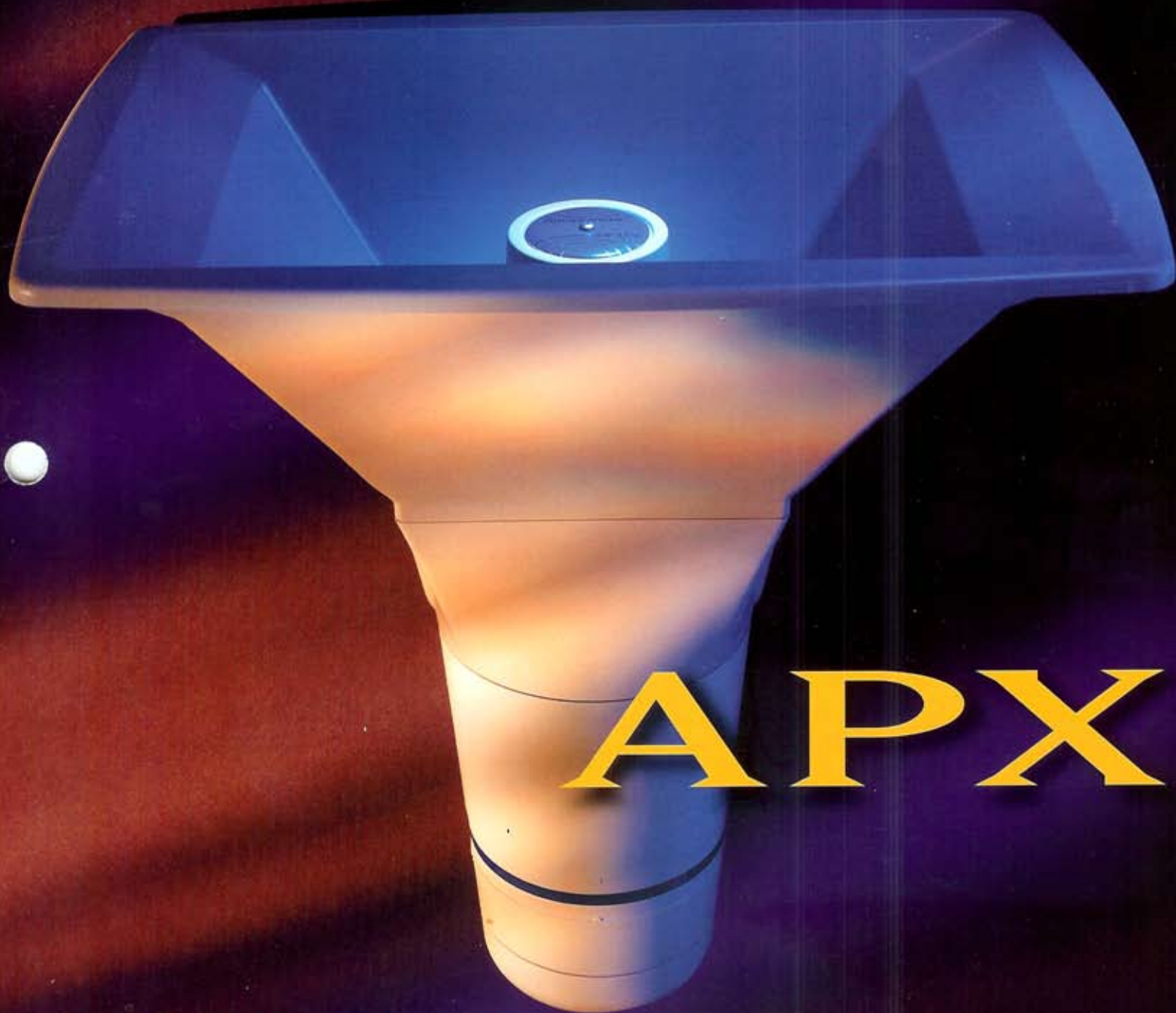




ATLAS-SOUNDOLIER



APX

• **CONSTANT
DIRECTIVITY** AND MORE...

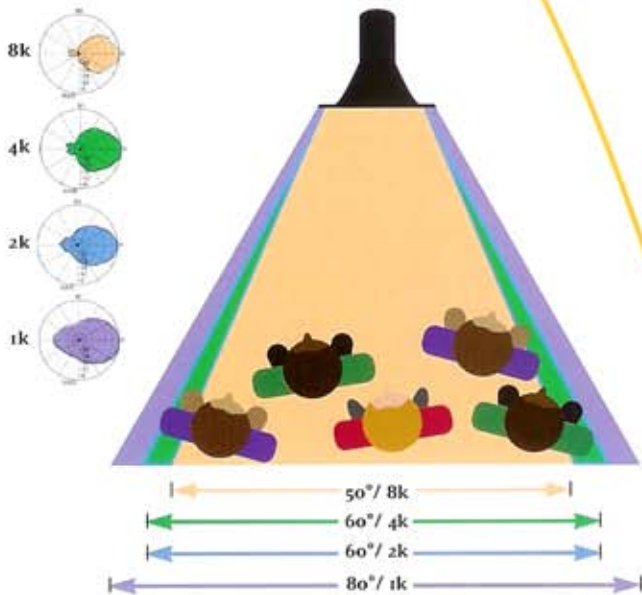
APX

INTRODUCING

FROM THE LEADERS IN COMMERCIAL SOUND TECHNOLOGY FOR OVER 60 YEARS COMES THE NEW STANDARD FOR COMPRESSION-DRIVER HORNS... THE APX CONSTANT DIRECTIVITY LOUDSPEAKER.

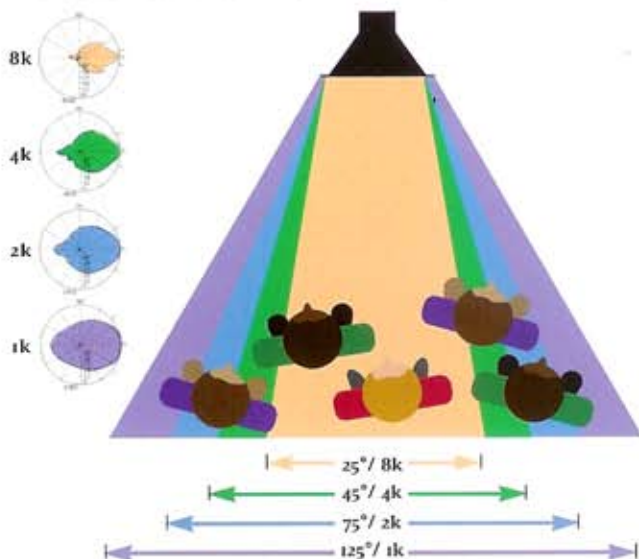
APX BEAMWIDTH

CONTROLLED COVERAGE ACROSS A WIDE FREQ. RANGE



CONVENTIONAL LOUDSPEAKER* BEAMWIDTH

COLLAPSING COVERAGE ACROSS A WIDE FREQ. RANGE



* Typical exponential coverage illustrated

"X"-TRA PREDICTABILITY

From the listener's perspective... the APX constant directivity loudspeaker means **CLEAR MESSAGING AND MUSIC** from any location every time.

From an audio consultant's point of view...the APX constant directivity loudspeaker means **CONSISTENT BEAMWIDTH CONTROL** in both horizontal and vertical directions—without guesswork—over a wide frequency range.

From the owner's viewpoint... the APX means **LESS SPEAKERS AND LESS COST** to provide quality communications.



"X"-TRA VALUE FEATURES

ROTATING BELL

lets you respond to changing coverage needs quickly in precise 15° increments.



TRIPLE LOCK SECURITY

withstands weather conditions and external forces that traditionally cause sagging or repositioning of the loudspeaker bell.



"POWER STRIPE" CODE

lets you identify power handling at a distance.

- 1 stripe = 20 watts
- 2 stripes = 40 watts



QUALITY MATERIALS

include UL recognized plastics with UV inhibitors to assure long-term reliability.



WAREHOUSES and
MANUFACTURING



TRANSPORTATION
TERMINALS



THEME PARKS and
RECREATION AREAS



OUTDOOR
RETAIL AREAS

"X"-TRA VERSATILITY

INDOOR

Specify APX speakers for commercial, light industrial, and large retail/distribution applications where clear and pleasant indoor paging/communications are required.

OUTDOOR

Install APX speakers in outdoor retail, commercial, recreational, and public use areas where dependable weatherproof performance is needed for communications and security.

APX SPECIFICATIONS

FROM THE OVERALL DESIGN DOWN TO THE SPECIFIC LENGTH OF EACH SCREW, THE APX LOUDSPEAKER HAS BEEN **ENGINEERED WITH DETAILS** IN MIND...DETAILS TO **OUTPERFORM** STANDARD COLLAPSING DIRECTIVITY AND CONSTANT DIRECTIVITY LOUDSPEAKERS... DETAILS TO **SIMPLIFY** INSTALLATION WHERE EVER THAT MAY BE... DETAILS TO ASSURE LONG-TERM **RELIABILITY** INDOORS OR OUT.



Cap and base include knockouts for 1/2" flex conduit.

Multi-Purpose base has provisions for screw mounting or banding.

Loudspeaker snap-locks to base, allowing secure wire conduit connections. After wiring, the snap-lock set screw and outer cap screws secure the assembly to withstand weather conditions and external forces that traditionally cause sagging or repositioning of the loudspeaker bell.

Unique rotary dial adjusts power taps on the 25/70/100V Xfmr.

Posts and notched barrier provide cable strain relief options.

Cap includes partially captive screws allowing swing-open access to connections without loosening hardware.

Simply loosen tip and rotate bell for precise projection angle.

"X"-TRA EASY INSTALLATION

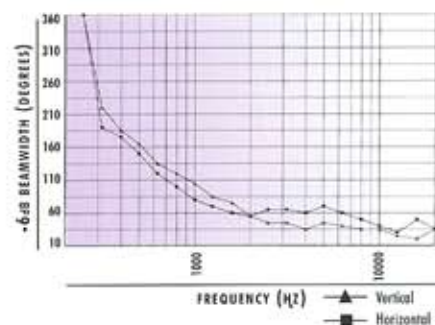
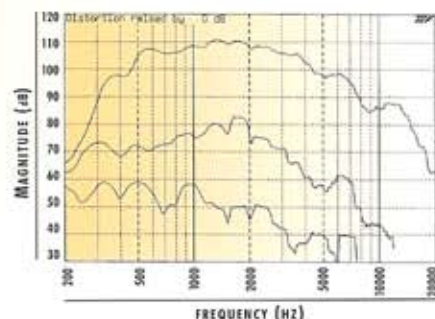
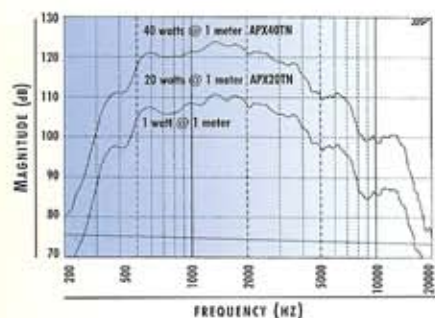
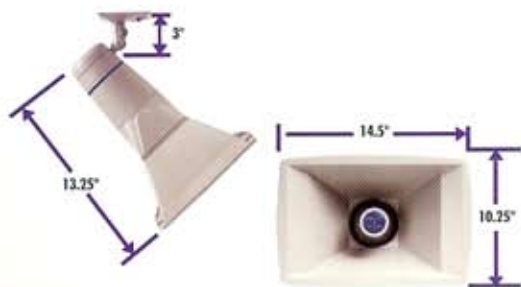
MOUNTS ANYWHERE*

Multi-purpose base accepts 1-gang, 2-gang, or 4" Square E.O. Boxes in standard recessed, surface, indoor, or outdoor styles. It may also be band mounted to poles or beams, removed for bulkhead installation, or removed to retrofit existing speaker installations with AP Series Omni-Purpose® mount.

* It is the installers responsibility to mount the product in a safe manner. All installation methods should carefully take into consideration loudspeaker assembly weight and environmental conditions.



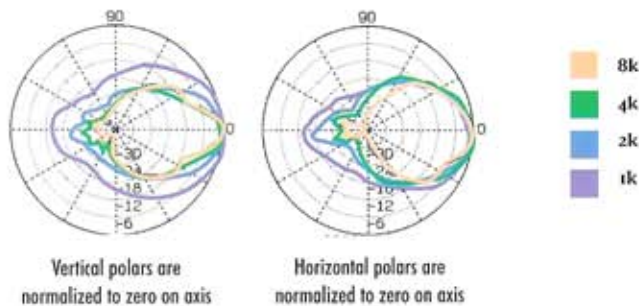
The APX constant directivity speaker brings "pro audio" control technology to the commercial market. Now you can literally point and direct sound where you want it with excellent clarity in the target zone.



BETTER PERFORMANCE

- Controlled coverage of 60° x 40° across a wide frequency range means predictable beamwidth control.
- Choice of 20 and 40 watt models provides a powerful edge over 15 and 30 watt standards.
- Rotating bell pivots in 15° increments to match projection angles detailed in acoustic simulation programs.
- Universal 25/70/100V transformer includes rotary-dial selector for easy tap identification.
- Sturdy, die-cast base includes provisions for flex conduit and may be mounted to standard E.O. boxes, banded to poles, or removed for easy retrofit of existing AP Series loudspeakers.
- Triple lock horn-to-base mounting method speeds installation and insures long-term stability.

SPECIFICATIONS	APX20TN	APX40TN
FREQ RESPONSE	400-7500 Hz (±6 dB)	400-7500 Hz (±6 dB)
POWER	20 Watts (continuous)	40 Watts (continuous)
SENSITIVITY	107 dB 1 W/1M (avg) .5-5 kHz	107 dB 1 W/1M (avg) .5-5 kHz
	118 dB 20 W/1M (avg) .5-5 kHz	120 dB 40W/1M (avg) .5-5 kHz
	122 dB 20 W (peak)	124 dB 40 W (peak)
DIRECTIVITY FACTOR	14 (2 kHz Octave Band)	14 (2 kHz Octave Band)
USABLE L.F. LIMIT	350 Hz	350 Hz
DISPERSION ANGLE	60° x 40° (±10 degrees)	60° x 40° (±10 degrees)
TRANSFORMER	25/70.7/100V	25/70.7/100V
25V TAP	.63, 1.25, 1.88, 2.5, 5.0, 10, 20	.63, 1.25, 2.5, 3.75, 5.0, 10, 20, 40
70V TAP	1.25, 2.5, 5.0, 10, 15, 20	2.5, 5.0, 10, 20, 30, 40
100V TAP	2.5, 5.0, 10, 20	5.0, 10, 20, 40
VOICE COIL DIA.	1.5" (38mm)	1.5" (38mm)
MAGNET WEIGHT	8 oz. (.227 kg)	8 oz. (.227 kg)
FLUX DENSITY	13,000 Gauss, 1.3 Tesla	13,000 Gauss, 1.3 Tesla
CONSTRUCTION	UL94 Polycarbonate Assembly Die-cast zinc base	UL94 Polycarbonate Assembly Die-cast zinc base
FINISH	Neutral grey, 1 Blue band	Neutral grey, 2 Blue bands
DIMENSIONS	14.5"W x 10.25"H x 13.25"D (368 x 260 x 337mm)	14.5"W x 10.25"H x 13.25"D (368 x 260 x 337mm)
WEIGHT	6 lbs. (2.7kg)	6 lbs. (2.7kg)



ATLAS-SOUNDOLIER

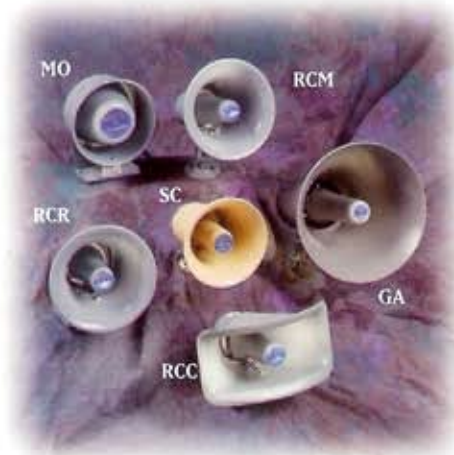
IS RECOGNIZED THROUGHOUT THE WORLD FOR ACOUSTICALLY PROVEN AND RUGGEDLY CONSTRUCTED ENVIRONMENT-RESISTANT LOUDSPEAKERS FOR COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL APPLICATIONS. WHEN YOU'RE SPECIFYING LOUDSPEAKERS FOR PUBLIC ADDRESS, SOUND REINFORCEMENT, PAGING, OR EMERGENCY COMMUNICATIONS; ATLAS-SOUNDOLIER PRODUCTS ARE YOUR GUARANTEE FOR VALUE AND SATISFACTION.

AP SERIES OMNI-PURPOSE® LOUDSPEAKERS

MODEL	POWER	SOUND LEVEL RP/1M, 1W/1M	DIS- PERSION	IMPEDANCE
AP-15(T)*	15 W	116, 106 dB @ 5-6 kHz ± 5dB	70°	8 Ω (25/70/100V)
AP-15-4				4 Ω
AP-15-4S				45 Ω
AP-30(T)	30 W	121, 108 dB @ 5-4.5 kHz ± 5dB	60°	8 Ω (25/70/100V)
AP-30T-25				25V
APC-30T	30 W	119, 109 dB @ 4-3kHz ± 5dB	70° x 95°	25/70/100V
APF-15(T)*	15 W	114, 104 dB @ 7-5.5 kHz ± 5dB	95°	8 Ω (25/70/100V)
APR-30T	30 W	120, 110 dB @ 5-4 kHz ± 5dB	40°	25/70/100V
APT-34T	30 W	112, 101 dB @ 45-12.5 kHz ± 5dB	175°	25/70/100V
APW-15T	15 W	116, 105 dB @ 5-6 kHz ± 5dB	60° x 75°	25/70/100V
APW-30T	30 W	120, 106 dB @ 5-6 kHz ± 5dB	60° x 75°	25/70/100V

* UL 1480 version available

AP Series...the "World Standard" for voice, music, and signal transmission.

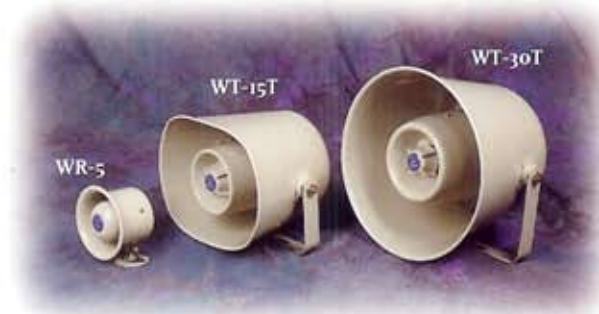


UTILITY PAGING/VEHICULAR/ALARM

MODEL	POWER	SOUND LEVEL RP/1M, 1W/1M	DIS- PERSION	IMPED- ANCE
GA-15T	15 W	112, 103 dB @ 5-3 kHz ± 5dB	80°	25/70V
GA-30T	30 W	118, 106 dB @ 5-3 kHz ± 5dB	60°	25/70V
SC-15	15 W	114, 103 dB @ 6-6 kHz ± 5dB	95°	8 Ω
RCC-15	15 W	106, 105 dB @ 8-5.7 kHz ± 5dB	105° x 70°	8 Ω
RCM-15 / RCR-15	15 W	106, 105 dB @ 7-5.8 kHz ± 5dB	120°	8 Ω
MO-2	25 W	115, 108 dB @ 55-13.5 kHz ± 5dB	85°	8 Ω

INDOOR/OUTDOOR MUSIC

MODEL	POWER	SOUND LEVEL RP/1M, 1W/1M	DIS- PERSION	IMPED- ANCE
WR-5(T)	7.5 W	105, 97 dB @ 4-7.8 kHz ± 5dB	95°	8 Ω (70V)
WT-15T(XP)	15 W	107, 96 dB @ 2-10 kHz ± 5dB	40° x 55°	70V (100V)
WT-30T	30 W	114, 104 dB @ 25-7.8 kHz ± 5dB	95°	70V



REFLEX SOUND HORNS

MODEL	DISPERSION	LOW END CUT-OFF	BELL SIZE	LENGTH
BIA-100	130° x 60°	180 Hz	21" W x 10 3/4" H x 10 3/4" D	19 1/4"
CJ-46	120° x 60°	115 Hz	22" x 12"	17"
DR-32	95°	190 Hz	16 1/2" Dia.	12 1/2"
DR-42	85°	140 Hz	21" Dia.	16"
DR-54	75°	115 Hz	26" Dia.	19"
DR-72	65°	85 Hz	31" Dia.	28"





COMPRESSION DRIVER UNITS

MODEL	POWER	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL (AVG)	IMPEDANCE
PD-30 (-16)	30 W	500 Hz	113.6 dB @ .3 - 3.9 kHz ±5dB	8 Ω (16 Ω)
PD-30T				70V
PD-5VH	40 W	250 Hz	110.7 dB @ .11 - 4.1 kHz ±5dB	16 Ω
PD-5VT	40 W	300 Hz	111.2 dB @ .19 - 4.2 kHz ±5dB	70V
PD-60A (AT)	60 W	300 Hz	112.7 dB @ .1 - 3.7 kHz ±5dB	16 Ω (70V)

EXPLOSION PROOF SPEAKERS

DRIVER*	MODEL	POWER	SOUND LEVEL DRIVER & HORN	DISPERSION
HLE-2(T) / HLE-3(T)	+ HLE/MLE-30	60 W	109 dB / 108 dB	120° x 60°
MLE-2(T) / MLE-3(T)	+ HLE/MLE-30	30 W	107 dB / 106 dB	120° x 60°
HLE-2(T) / HLE-3(T)	+ HLE/MLE-32	60 W	112 dB / 111 dB	95°
MLE-2(T) / MLE-3(T)	+ HLE/MLE-32	30 W	110 dB / 110 dB	95°

* HLE-2 and MLE-2 Series drivers meet UL Class 1 / Group C & D, Class 2 / Group E, F, & G.
HLE-3 and MLE-3 Series drivers meet UL Class 1 / Group B, C, & D



FLANGE MOUNT ACCESSORIES

FOR LOUDSPEAKER MODEL APF-15 (T)

ROUND GRILLE	SQUARE GRILLE	ROUND ENCLOSURE	SQUARE ENCLOSURES	ROUND MTG. RINGS	MOUNTING SQUARES
L20-100	L20-101	L20-201	L20-211 (Recessed)	L20-220	L20-223
			L20-213 (Surface)	L20-221*	L20-224*
				L20-222**	L20-225**
				FAMT-6***	

* Ears for 1 3/8" span ** Ears for 2 1/4" span *** Adapter for 8" enclosures.



ADAPTERS

MODEL		MOUNTS
BX-1A	Cable/Conduit Adapter	AP-30(T), APR-30T, APT-34T, APW-30T
BX-2A	Cable/Conduit Adapter	AP-15(T) Series, APW-15T
BX-3A	Cable/Conduit Adapter	APF-15(T)
DA-FH	Universal Driver - to - Horn Adapter	1 3/8" - 18F to 1" throat bolt-on
YDA-TH	Adapter Mounts Two Drivers - to a Reflex Sound Horn	Two 1 3/8" - 18F to 1 3/8" - 1" thread

TRANSFORMERS

MODEL	POWER	VOLTS
T-10	15 W	70V
T-11*	15 W	70V
T-18	60 W	70V
T-20	30 W	25/70V

* Includes weatherproof housing.

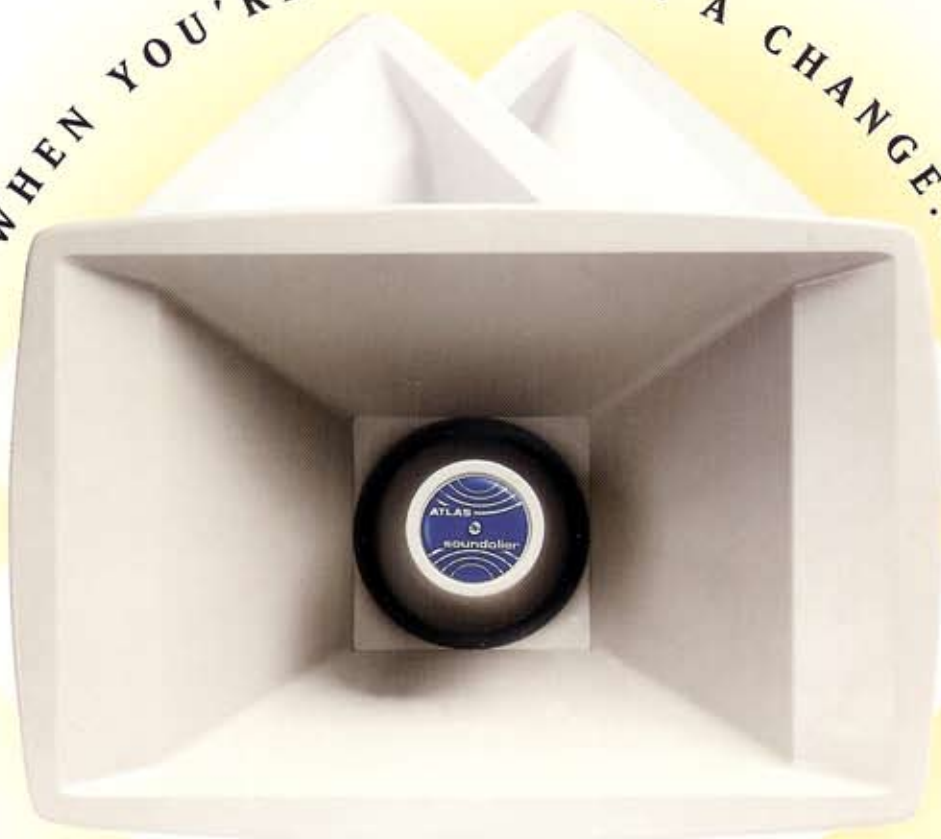
ATLAS-SOUNDOLIER

ALSO OFFERS THE WIDEST SELECTION OF COMMUNICATIONS PRODUCTS RANGING FROM HIGH PERFORMANCE COAXIAL LOUDSPEAKERS, BAFFLES, AND ACCESSORIES TO SIRENS AND EMERGENCY COMMUNICATIONS SYSTEMS; VANDAL PROOF INTERCOM AND TELECOM PRODUCTS TO SOUND MASKING LOUDSPEAKERS; ELECTRONIC EQUIPMENT RACKS, CABINETS, AND CONSOLES TO MICROPHONE AND STUDIO BOOMSTANDS. REQUEST OUR FULL LINE CATALOG OR CD-ROM TODAY!

A WHOLE NEW DIMENSION IN LOUDSPEAKERS

APX

WHEN YOU'RE READY FOR A CHANGE...



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