



PSR-212

ZONE PAGE POWERED RELAY PACKS

PSR Series. DPDT relay with internal 24VDC power supply is available with 6 or 12 factory-wired relays for application with MPC Series communications control center. To facilitate the addition of external relays or lights, the power supply output is also connected at the terminal strip. Relays may be easily converted to an all page function by connecting the off bus to the selected relay switch output. Models include silk screened terminal diagram and 6 ft power cord. Black epoxy finish. Separate amplifiers needed for both paging and background music.

MODEL	INPUT POWER	POWER SUPPLY OUTPUT	RELAY QTY/TYPER	RELAY POWER REQ.	CONTACT RATING	SIZE L x W x H
PSR-212	117VAC 60Hz, 24W	24VDC @ 1 Amp	12 Qty. 24VDC, DPDT	24VDC, 35mV	3 Amps	13 1/4" x 6 1/4" x 4 1/4" (337 x 159 x 121mm)
PSR-206	117VAC 60Hz, 12W	24VDC @ 500 Amp	6 Qty. 24VDC, DPDT	24VDC, 35mV	3 Amps	13 1/4" x 6 1/4" x 4 1/4" (337 x 159 x 121mm)

For Additional Electronic Accessories see page 91, in Section 10



VT Series



VTF Series



SVT Series

15, 2 & 1 WATT COMPRESSION DRIVER LOUDSPEAKERS

VT/VTF Series. Patented units are the proven performance standard around the world for effective sound and electronic signal transmission of emergency voice communications and tone signaling. Cost-effective series function as protective warning devices in intercom systems and as communication system loudspeakers in multi-occupancy and expanded space areas including high-rise residences, public buildings, health-care and educational facilities, banks, shopping areas, distribution centers, and transportation terminals. High-efficiency compression driver provides optimum acoustic conversion efficiency. Die-cast water sealed construction with stands vandalism, vermin, moisture, corrosion, and vibration. Selection includes 8 Ohm, 70.7 and 25V transformer models and units with DC blocking capacitor (C) where noted. Models VT/VTF-152/157UC have a 5 mfd. capacitor; Models VT/VTF-22/27UC contain a 1-mfd. version. VT Series are surface mounting units measuring 4 1/4" SQ x 3 1/4" D. VTF Series are recessed mounting versions measuring 6" SQ x 3 1/4" D. Both series install to a 2 1/8" deep x 4" E.O. Box (not included); VTF Series also requires Model AR adapter ring. Suffix model with choice of finish Red(R) or Neutral Gray(N). When used with compatible control equipment, VT/VTF Series comply with UL Standard 1480—Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19). Models with special modifications to meet New York City MEA (Calendar no. 57-74-SA) and UL Canada are also available as standard product. Contact factory for proper model designation and price.

VT/VTF LOUDSPEAKER SPECIFICATIONS					
MODEL	TRANSFORMER	POWER TAPS (WATTS)	FREQUENCY RESPONSE	DISPERSION	SENSITIVITY
VT(F)-158UN	*	15 (8 Ohm)	600 Hz - 5500 Hz (±5dB)	>190° (-6dB point, 1 and 2 kHz octave bands)	96.9dB (1 watt, 1 meter) UL: 90dB** (1 watt, 10 ft.)
★ VT(F)-157UC	70.7V	15, 8, 4, 2			
★ VT(F)-152UC	25V	15, 8, 4, 2			
VT(F)-27UC	70.7V	2, 1			
VT(F)-22UC	25V	2, 1			

* Without transformer, 8 Ohm impedance. ** 3dB increment rating.

2 WATT RE-ENTRANT CONE LOUDSPEAKERS

SVT Series. Surface mount unit features a cone loudspeaker with integral re-entrant protective dome built into the housing for environment resistance, optimum power output and high intelligibility. Space-efficient design series is recommended for use in demanding localized area emergency communications, electro-acoustic signaling, commercial sound, and intercom applications 2 Watt power handling designed for low ambient areas including executive offices, condominiums, apartments, dormitory rooms, motel/hotel rooms, hospital suites, and elevator cabs. Includes 70.7 transformer and DC blocking capacitor. Model SVT-27UCS contains a 1-mfd. version. SVT Series are surface mounting 4 1/4" Sq. x 3 1/2" D units for installation in standard 4" square E.O. Boxes (not included). Weather sealed housing is Noryl® plastic. Neutral Gray finish. When used with compatible control equipment, SVT Series comply with UL Standard 1480—Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19).

SVT LOUDSPEAKER SPECIFICATIONS			
MODEL	FREQUENCY RESPONSE	DISPERSION	SENSITIVITY
SVT-27UCS	500 Hz -5000 Hz (±5dB)	>190° (-6dB point, 1 and 2kHz octave bands)	96.9dB (1 watt, 1 meter) UL: 90dB (1 watt, 10 ft.)**

** 3dB increment rating.



UL 1480 fire protective signaling.

**INSTALLATION ACCESSORIES FOR VOICE/TONE™
LOUDSPEAKERS ON THE NEXT PAGE**



SE. Surface-mounting outdoor backbox provides weatherproof installation of VT/SVT Series loudspeakers. 4 1/4" SQ x 2" D housing is die-cast zinc with epoxy finish. Unit is tapped for 1/2" conduit and includes weatherproof gasket. Suffix model with choice of color. Red(R) or Neutral Gray(N).

SI. Surface-mounting indoor backbox for VT/SVT Series loudspeakers mounts to any single or double-gang backbox for concealed conduit installation. 4" SQ. x 1 1/2" D CRS unit is finished in baked epoxy and includes 1/2" conduit knockouts. Suffix model with choice of color. Red(R) or Neutral Gray(N).

SFP. Semi-flush, 6" SQ adapter plate mounts behind VT/SVT Series loudspeakers to cover any recessed 4" SQ x 2 1/8" D outlet box. CRS wall plate is stamped and painted. Suffix model with choice of color: Red(R) or Neutral Gray(N). Dimensions: 6" SQ. x 1/32" D.

TVTA. Twin housing for bi-directional mounting of two independently powered VT or SVT Series loudspeakers. Ideal for wall or ceiling installation in corridors and walkways. Each unit includes 2 3/4" deep housing with base and adapter plate for parallel mounting to any electrical backbox. Suffix model with choice of color: Red(R) or Neutral Gray(N).

F-P. Flush adapter plate for VTF series loudspeakers provides for recessed mounting to 4 1/16" backboxes or solid exterior and hollow interior wall surfaces where a backbox is not required. CRS stamped construction.

A-R. Adapter ring for recessed mounting of VTF series loudspeakers. Welded steel collar is 2" deep to provide necessary extension to any 4" SQ. x 2 1/8" deep E.O. box. Includes four "S" clips. Finished in Neutral Gray.

M-R. Mounting ring with clips for recessed mounting of VTF/SVTF Series loudspeakers. Welded steel ring is 2" deep to provide extension to any 4 1/16" SQ x 2 1/8" D backbox. Finished in Neutral Gray.

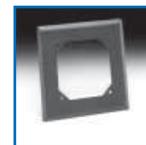
Note: Accessories are also ideal for application with WPVT Series Weatherproof Intercom Stations (Section 8).



SE



SI



SFP



TVTA



F-P



A-R



M-R

SIX

Voice/Tone™ "Basic" Environment-Resistant Loudspeakers



COMPRESSION DRIVER WITHOUT HOUSING OR MOUNTING PLATE

VTB Series. UL recognized compact high-efficiency Voice/Tone™ compression drivers are designed for custom installation in high-efficiency industrial communication, intercom, electronic alarm, and monitoring system applications including correctional facilities, transportation vehicles, construction sites, and drive-in menu boards. Models include integral exponential sound projector to provide reliable sound distribution and optimum intelligibility for the reproduction of voice and/or electronic tone signals. Die-cast zinc construction with water sealed driver will withstand moisture, corrosion, vibration, vermin, and vandalism. Models are available with a selection of multi-tap transformers and are designed to mount a variety of standard or custom housings and face plates to meet installation and application requirements. All VTB Series qualify as a UL 1480 recognized component.

MODEL	POWER TAPS (WATTS)	FREQUENCY RESPONSE	SOUND LEVEL*	DISPERSION	IMPEDANCE OHM
VTB-1	15	400Hz-4kHz	107	150°	8
VTB-2	15		107		4
VTB-4	15, 8, 4, 2		107		***
VTB-6	2, 1		100		***

* Measured at rated power, 1 meter.

** Built-in 70.7 Volt Xfmr. May be wired with 25 Volts to provide 2, 1, 1/2, 1/4 Watt taps.

*** Built-in 25 Volt Xfmr.

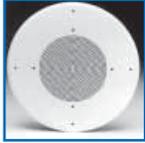
**** Built-in 70.7 Volt Xfmr. May be wired with 25 Volts to provide 1/2, 1/4 Watt taps.



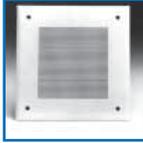
VTB Series



UHT Series



51-8



61-8



95-8



96-8



198-8

8" LOUDSPEAKERS WITH SINGLE VOICE COIL

UHT Series. High-quality 8" ceiling or wall-mount loudspeakers for application in fire protective signaling, emergency alarm and audio evacuation systems are available with single voice coil, factory-mounted 5 Watt multi-tapped transformer and a selection of baffle styles to accommodate varying code and aesthetic requirements. UHT Series loudspeakers have a single 1" dia. voice coil, choice of 70.7 or 25 Volt transformer, and DC blocking capacitor. All units are shipped pre-assembled to reduce installation labor, time and expense. Loudspeakers are equipped with a molded, fire-retardant, moistureproof cone with whizzer and 10 oz. ceramic magnet to deliver smooth frequency response with high intelligibility and minimal distortion. Transformer has a core size of 1/2" x 5/8" (13 x 16mm) and insertion loss of 1.5dB. All models terminate with 6" color-coded leads. UL Listed loudspeaker packages must be used with UL Listed enclosures indicated to maintain UL Listed status. Listed under UL Standard 1480—Speakers for Fire Protective Signaling Systems. As always, confirm specifications with local building codes.

UHT SERIES LOUDSPEAKER SPECIFICATIONS							
MODEL SERIES	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING	IMPEDANCE	FLUX DENSITY	SENSITIVITY*
UHT	8" (203mm)	10 oz (283g)	85Hz-8kHz ±5dB	10W	8 Ohm	10,600 Gauss	97dB (1W, 1M)

* UL Ratings measured per UL Standard 1480 at 1 Watt, 10 ft. (3dB increment rating): UHT = 81dB. Dispersion: 160° @ 2000Hz.

MODEL* SPKR/XFMR/CAP/BAF- FLE)	XFMR VOLTS	WATTAGE TAPS	DL BLOCKING CAPACITOR	BAFFLE TYPE**	MOUNTS ENCLOSURE** (ORDER SEPARATELY)
★ UHT70(25)C-U51-8	70.7(25)	1/2, 1, 2, 5	4 MD @ 150V (70.7 Xfmr),	51-8	95-8, 96-8
★ UHT70(25)C-U161-8U			10 mfd @ 50V (25V Xfmr)	161-8	198-8, SE175-4

* A variety of other loudspeaker/baffle combinations are available in quantities of 100 or more. Refer to SL6-1181.

** Baffle specifications are listed under the corresponding model number, less "U" Prefix, in Sec. 3.

★ Fire protective signaling (1480) when used in combination with a UL listed enclosure and baffle.