



VANDAL PROOF INTERCOM STATIONS WITH COMPRESSION DRIVER

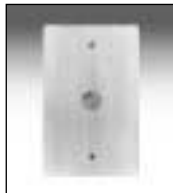
**VPVT-PB Series
VP-77, VPB-1A**



VPVT Series



VP-77



VPB-1A

FEATURES

- Damage Resistant Intercom And Paging Loudspeakers For Indoor Or Outdoor Installation Provide Protected High Intelligibility Communication
- Power Handling Selection Includes High Power 15 or Standard 2 Watt Models With Optional 25 Volt Transformer To Meet Various Application Requirements
- Proven Performance Reliability of The Patented VT Series Environment Resistant Compression Driver
- Operational Flexibility of Stations Equipped With Vandal Proof Call/Signal Origination Switch or Optional Stand Alone Pushswitch Accessory

APPLICATIONS

Vandal proof intercom and communications stations are designed for use in correctional institutions, detention facilities and public access areas where vandalism is a concern in railroad and bus terminals, drive-in services, garages, access gates, lobbies, hallways and recreation facilities. Heavy duty, weatherproof units with environment resistant compression driver are engineered for effective voice and signal transmission with long term service life and trouble free reliability. High power 15 watt models are for installation in large open areas and where maximum power is required to achieve audibility in high ambient sound levels. Standard power 2 watt models are an alternative for communication in areas with average size and sound levels. Units with call switch are for use where call/signal origination is a required functional capability or a desired adjunct to safety and security. All styles are suitable for new and existing construction.

GENERAL DESCRIPTION

VPVT-PB Series vandal proof loudspeaker stations withstand damage caused from abuse, moisture, corrosion, dust, vibration and temperature extremes from 150° to -30°F. Stations are available in 15 or 2 watt models with 11 gauge stainless steel plate mounted to the high efficiency VT Series compression driver. Patented 8 ohm driver with water-sealed die cast zinc housing and exponential sound projector is recognized for dependable performance and high intelligibility voice and signal transmission. Driver functions as a loudspeaker and a microphone for hands-free remote station communication with a centrally located master control. VPVT-PB Series incorporates a vandal proof call switch with 3 amp contact rating for call-in signalling capability. Call switch is a heavy duty, momentary action push button flush mounted for security and durability. Models are available with 25V transformer. Station assemblies install with tamperproof, button-head breakaway screws to a recess mounting enclosure (order separately). VPVT-PB Series are 7¼"SQ (184mm) and mount to enclosure Model VP-77 size 5½"W x 6¼"H x 3½"D (159 x 140 x 90mm). Enclosures are 16 gauge CRS with a rust preventive coating.

VPB-1A is a vandal resistant pushswitch intercom accessory mounted to a single gang size 12-gauge stainless steel plate. Utilize assembly in conjunction with VPVT and VPB Series stations or as a stand alone signalling device when a separate or remotely located call origination button is desired. Switch is a SPST normally open circuit with 3 amp contact rating. Vandal proof hardware installs using a 6-32 holt-head driver bit for a standard ¼" nut driver. Bit may be ordered separately. Order Model HX56-6D.

MODEL	POWER RATING	XFMR	POWER TAPS	SOUND PRESSURE LEVEL*	FREQUENCY RESPONSE	SENSITIVITY AS MICROPHONE
VPVT-1	15 Watts (8 Ohms)	-	-	102 dBA	400-4000 Hz	-26 dBm
VPVT-3	15 Watts	70 Volt	15, 8, 4, & 2	102 dBA		

* Measured from 10 ft. at rated power

Specifications subject to change without notice



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ARCHITECT AND ENGINEER SPECIFICATIONS

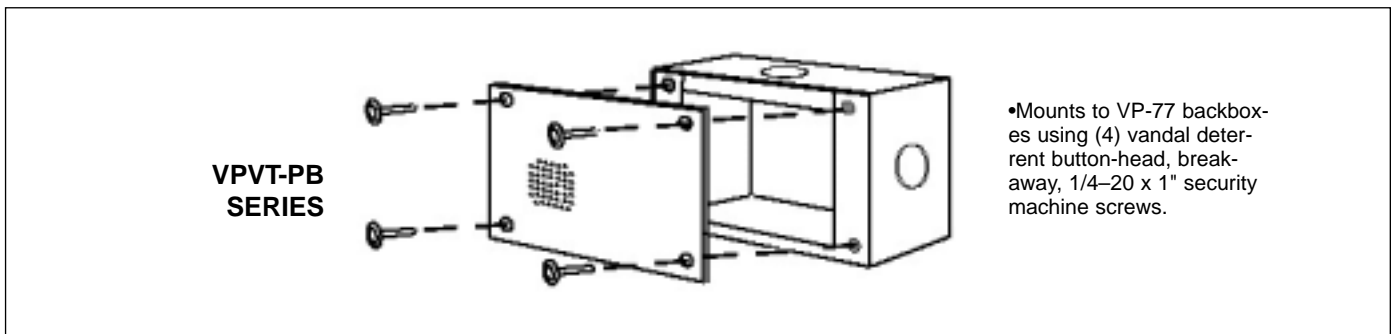
Vandal proof paging and intercom loudspeaker(s) shall be Atlas Sound Model VPVT-_____ (1,4,6)PB or approved equal. Station(s) shall be comprised of an 8 ohm water sealed environment resistant compression driver in die cast zinc housing mounted to an 12-gauge stainless steel protective plate. Driver shall function as a microphone with a minimum sensitivity of -26 dBm. Station(s) equipped with call switch shall include a vandal proof flush mounted momentary action pushbut-

ton switch with a contact rating of 3 amps. Station(s) shall have a power rating of 15 watts (2 watts) with a frequency response of 400-4000 Hz. Assembly shall include optional 25 volt transformer with 15, 8, 4 & 2 or 2 & 1 watt taps. Stations shall mount with vandal proof button-head break away screws to a recessed mounting 16 gauge CRS protective enclosure finished in rust resistant coating. VPVT-PB Series shall mount to Atlas Sound VP-77 Series enclosures.

MOUNTING SPECIFICATION CHART

Model	Backbox (Order Separately)	Backbox Dimensions	Hardware
VPVT-PB Series	VP-77	5½"W x 6¼"H x 3½" D (159 x 140 x 90mm)	1/4-20 x 1" Screws button head breakaway

BACKBOX MOUNTING



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VANDAL PROOF INTERCOM STATIONS WITH CONE LOUDSPEAKER

VPCS Series



VPCS-2GPB-245



VPCS-3GPB-245



Front View



Side View

VPB-1A

FEATURES

- Shallow Depth of 2½" (54mm) for Mounting in Standard 2 & 3-Gang BackBoxes
- Moisture-Resistant 2½" (64mm) Dia. Cone Loudspeaker
- Offers Smooth Loudspeaker Response with High Output in the Speech Range
- Two-Piece Die-Cast Baffle System Protects the Loudspeaker Assembly from Vandalism
- Choice of Basic or Call Switch Equipped Models
- Unit Design Facilitates Quick and Easy Service Procedures
- Transformer Models Include 2, 1, ½, and ¼ Watt Taps at 25 Volts
- Durable 11-Gauge, Stainless Steel Face Plate

APPLICATIONS AND GENERAL DESCRIPTION

Atlas-Sound's VPCS Series 2 & 3-gang intercom systems (Patent applied for) provide superior intelligibility for one or two-way communication in high-security applications. Units are designed for installation in detention, correctional, and institutional facilities. VPCS intercom stations are also ideal for use in high-risk public-access spaces such as hallways, lobbies, and parking garages. Units withstand abuse, moisture, corrosion, dust, vibration, and temperature extremes from -10° to 150° F.

Stations are equipped with a 2½" (64mm) dia. loudspeaker to deliver clear voice and signal transmission while the phenolic resin impregnated, moisture-proof cloth cone provides durable performance. The VPCS Series includes two die-cast baffles to protect the loudspeaker assembly from vandalism. The Series is available with a 25-volt transformer providing 2, 1, ½, and ¼ watt taps or as a 45 ohm configuration.

Model numbers indicating "PB" include a vandal-proof push-button call switch for installation where call origination is a required function or a desired adjunct to security. "PB" models feature a heavy-duty, momentary action push-button with a 3A at 120 VAC/1.5A at 250 VAC contact rating, mounted to 11-gauge stainless steel face plate. The face plate mounts standard 2 & or 3-gang E.O. boxes with any counter sunk 6-32" mounting screw. Lead wires are 5" (127mm). Switch is single pole, single throw, normally open. Pushbutton assembly is constructed of nickel plated brass and sealed against moisture with a classification of 1P65.

VPB-1A is a vandal-resistant pushswitch intercom accessory mounted to a single gang size stainless steel plate. Utilize assembly in conjunction with VPCS 2- and 3-gang stations or as a stand alone signaling device when a separate or remotely located call origination button is desired.

SPECIFICATIONS

Speaker Size:	2½" (64mm)
Cone Material:	Phenolic Impregnated Cloth
Power Handling:	5 Watts
Sensitivity (1W/1M):	88dB (Measured @ 1 watt / 1 meter) 2000 Hz Octave Band – 92.4dB
Nominal Impedance:	45 Ohms
Frequency Response:	350 Hz-4500 Hz (+6dB)
Transformer:	25 Volt
Transformer Taps:	2, 1, ½, and ¼ Watts

MODEL	DESCRIPTION	DIMENSIONS	WEIGHT
VPCS-2G-2	25V; 2-gang	4¾" Sq. x 2½" D	1.58 lbs.
VPCS-2G-X45	45 ohm, 2-gang	(121 x 121 x 54mm)	(.72 kg)
VPCS-2GPB-2	25V; 2-gang w/call Switch	4¾" Sq. x 2½" D	1.60 lbs.
VPCS-2GPB-X45	45 ohm, 2-gang w/call Switch	(121 x 121 x 54mm)	(.73 kg)
VPCS-3G-245	25V; 3-gang	6¾" x 4¾" x 2½" D	1.70 lbs.
VPCS-3G-X45	45 ohm, 3-gang	(162 x 121 x 54mm)	(.77 kg)
VPCS-3GPB-245	25V; 3-gang w/call Switch	6¾" x 4¾" x 2½" D	1.72 lbs.
VPCS-3GPB-X45	45 ohm, 3-gang w/call Switch	(162 x 121 x 54mm)	(.78 kg)
VPB-1A	Plate Mounted 1-gang Call Switch	4½" x 2¾" x 1¾" D (114 x 70 x 35mm)	.48 lbs. (.22 kg)

Specifications subject to change without notice



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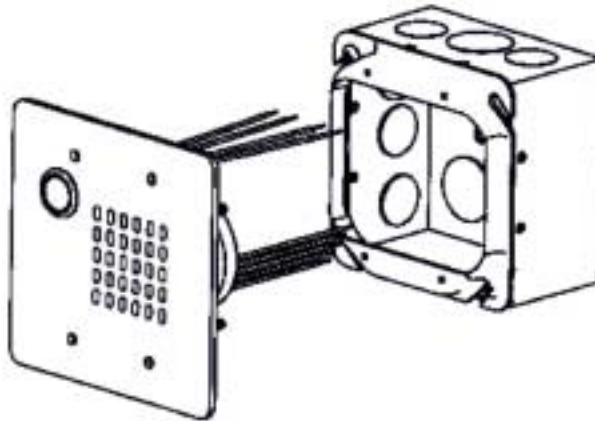
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ARCHITECT AND ENGINEER SPECIFICATIONS

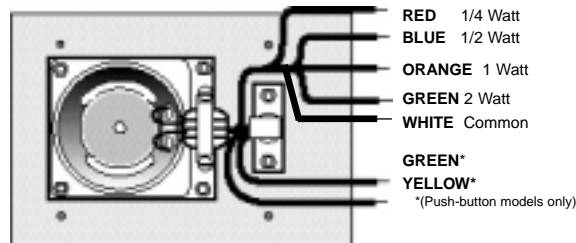
Vandal-proof intercom loudspeaker(s) shall be Atlas Sound VPCS Series Model _____ (VPCS-2G-2, VPCS-2GPB-2, VPCS-3G-245, VPCS-3GPB-245, VPB-1A or 45 Ohm versions: VPCS-2G-X45, VPCS-2GPB-X45, VPCS-3G-X45, or VPCS-3GPB-X45) or approved equal. Station(s) shall be comprised of a 5-watt, 2½" dia. loudspeaker with phenolic, impregnated cloth cone protected by aluminum baffles. The loudspeaker shall be mounted to an 11-gauge stainless steel face plate. Assembly shall be able to withstand damage caused from abuse, moisture, corrosion, dust, vibration and temperature extremes from -10° to 150° F. Unit shall have a sensitivity level of 88dB (1W/1M) with an output in the 2000 Hz octave band of 92dB. Loudspeaker impedance shall be 45 ohms. Frequency

response range shall be 350 Hz-4500 Hz. Station(s) equipped with call switch (PB models) shall include a vandal-proof, flush-mounted momentary action pushbutton switch with a contact rating of 3A at 120 VAC and 1.5A at 250 VAC. Stations equipped with a 25-volt transformers shall have 2, 1, ½ and ¼ watt taps. VPCS vandal-proof stations shall feature a shallow depth of 2½" which will allow it to mount in standard E.O. boxes. The face plate shall be attached with any counter sunk (4) 6-32" mounting screws (not included). Two-gang VPCS intercom stations shall have dimensions of 4¾" sq. x 2¾"D (121 x 121 x 54mm). The 3-gang models shall measure 6¾" W x 4¾" H x 2¾"D (162 x 121 x 54mm). VPB-1A dimensions are 4½"H x 2¾"W x 1¾"D (114 x 70 x 35mm). Patent applied for.

VPCS SERIES BACKBOX MOUNTING DIAGRAM



SPEAKER CONNECTIONS



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