



VPCS Series

Vandal Proof Intercom Stations With Cone Loudspeaker

Features

- Shallow Depth of 2 1/8" (54mm) for Mounting in Standard 2 & 3-Gang Back Boxes
- Moisture-Resistant 2 1/2" (64mm) Diameter 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 1/4, 1/2, 1, and 2 Watt Taps at 25V
- Durable 11-Gauge, Stainless Steel Face Plate

Applications

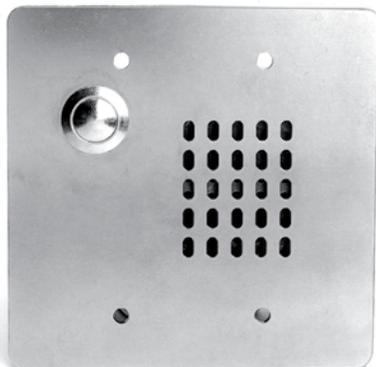
Atlas-Sound's VPCS Series 2 & 3-gang intercom systems provide superior intelligibility for one or two-way communication in high-security applications. Units are designed for installation in detention, correctional, and institutional facilities. VPCS intercom stations are also ideal for use in high-risk 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.

General Description

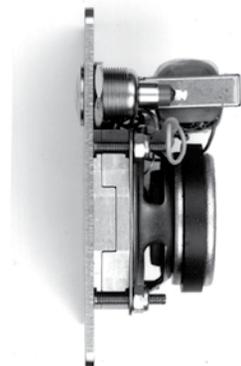
Stations are equipped with a 2 1/2" (64mm) diameter loudspeaker to deliver clear voice and signal transmission while the phenolic resin impregnated, moisture-proof cloth cone provides durable performance. The VPCS Series includes two die-cast baffles to protect the loudspeaker assembly from vandalism. The Series is available with a 25V transformer providing 1/4, 1/2, 1, and 2 watt taps or as a 45Ω 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 120VAC/1.5A at 250VAC contact rating, mounted to an 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 IP65.

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.



VPCS-2GPB-2



VPCS-3GPB-245



VPB-1A

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Specification

VPCS-2G-2

Description	25V; 2-gang
Speaker Size	2½" (64mm)
Cone Material	Phenolic Impregnated Cloth
Power Handling	5 Watts
Sensitivity (1W/1M)	88dB (Measured @ 1 watt / 1 meter) 92.4dB 2000Hz Octave Band
Nominal Impedance	45Ω
Frequency Response	350Hz-4500Hz (±6dB)
Transformer	25V
Transformer Taps	¼, ½, 1, and 2 Watts
Length	4¾" (121mm)
Width	4¾" (121mm)
Depth	2⅞" (54mm)
Weight	1.58 lbs. (.72kg)

VPCS-2GPB-2

Description	25V; 2-gang w/call Switch
Speaker Size	2½" (64mm)
Cone Material	Phenolic Impregnated Cloth
Power Handling	5 Watts
Sensitivity (1W/1M)	88dB (Measured @ 1 watt / 1 meter) 92.4dB 2000Hz Octave Band
Nominal Impedance	45Ω
Frequency Response	350Hz-4500Hz (±6dB)
Transformer	25V
Transformer Taps	¼, ½, 1, and 2 Watts
Length	4¾" (121mm)
Width	4¾" (121mm)
Depth	2⅞" (54mm)
Weight	1.60 lbs. (.73kg)

VPCS-3GPB-245

Description	25V; 3-gang w/call Switch
Speaker Size	2½" (64mm)
Cone Material	Phenolic Impregnated Cloth
Power Handling	5 Watts
Sensitivity (1W/1M)	88dB (Measured @ 1 watt / 1 meter) 92.4dB 2000Hz Octave Band
Nominal Impedance	45Ω
Frequency Response	350Hz-4500Hz (±6dB)
Transformer	25V
Transformer Taps	¼, ½, 1, and 2 Watts
Length	6¾" (162mm)
Width	4¾" (121mm)
Depth	2⅞" (54mm)
Weight	1.72 lbs. (.78kg)

VPB-1A

Description	Plate Mounted 1-gang Call Switch
Monetary Push Button	3A 120VAC/1.5A 250VAC NO (Normally Open)
Length	4½" (114mm)
Width	2¾" (70mm)
Depth	1⅜" (35mm)
Weight	.48 lbs. (.22kg)

Architect and Engineer Specifications

Vandal-proof intercom loudspeaker(s) shall be Atlas Sound VPCS Series Model _____ (VPCS-2G-2, VPCS-2GPB-2, VPCS-3GPB-245) or approved equal. Station(s) shall be comprised of a 5 Watt, 2½" diameter 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 2000Hz octave band of 92dB.

Loudspeaker impedance shall be 45Ω. 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 120VAC and 1.5A at 250VAC. Stations equipped with a 25V transformers shall have ¼, ½, 1, and 2 Watt taps. VPCS vandal-proof stations shall feature a shallow depth of 2⅞" which will allow it to mount in standard E.O. boxes. The face plate shall attached with any counter sunk (4) 6-32" mounting screws (not included). Two-gang VPCS intercom stations shall have dimensions of 4¾" square x 2⅞"D (121 x 121 x 54mm). The 3-gang models shall measure 6¾" W x 4¾" H x 2⅞"D (162 x 121 x 54mm). VPB-1A dimensions are 4½"H x 2¾"W x 1⅜"D (114 x 70 x 35mm).