

# Technical Specifications

## VIP-172AL-VRSS-SA Syn-Apps IP Intercom Doorplate Speaker

- Syn-Apps compatible
- PoE (IEEE 802.3af)
- Paging, emergency alerts, and tones
- Talkback intercom
- High-quality audio
- Quick and easy installation
- Indoor/outdoor use



*Syn-Apps compliant  
Vandal-resistant, talkback*

### Description:

The VIP-172AL-VRSS-SA IP Intercom Doorplate Speaker with LED is the perfect choice for high quality voice paging, two-way communication and emergency alerts. The VIP-172AL-VRSS-SA is designed for quick and easy installation.

## SPECIFICATIONS

### SPEAKER ELEMENT

Voice coil impedance: 45 Ohms

### AUDIO OUTPUT

Rating: > 96 dB @ 4ft (1.22 m)

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### CALL SWITCH

Single pole momentary contact

### AUXILIARY RELAYS

Form C rated at 1A @ 24 Vdc)

### SYN-APPS CONFIGURATION METHODS

DHCP Option 72  
Static Configuration

### NETWORK

10/100 Mbps Ethernet port  
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup  
Time and date synchronization using NTP

### AUDIO CODECS

G.711 u-law, others

### PROTOCOLS

IETF SIP (RFC3261)  
IETF IGMP version 3 (RFC3376)  
IETF RTP (RFC1889)  
IETF RFC2833

### ENVIRONMENT

Temperature: +32 to +104 °F (0 to +40 °C)  
Humidity: 0 to 85% non-precipitating

### HOUSING AND FINISH

Durable brushed stainless steel

### DIMENSIONS AND WEIGHT

4.50in H x 4.50in W x 1.75in D  
(11.43cm x 11.43cm x 4.45cm)  
Weight: 1.68lbs (0.76kg)  
Network Interface:  
1.62in H x 5.63in W x 3.45in D  
(4.11cm x 14.30cm x 8.73cm)  
with brackets – 8.22in W (20.87cm)  
Weight: 0.65lbs (0.29kg)  
Shipping Weight: 4.70lbs (2.12kg)

### MOUNTING

Flush mount double gang FD electrical box

2022 Rev. 1.6.2.4

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## ARCHITECTS AND ENGINEERS

The IP Talkback Doorplate Speaker/Intercom, model VIP-172AL-VRSS-SA, shall allow communication to SIP Based telephone systems via an IP-based network.

Power shall be provided to the VIP-VIP-172AL-VRSS-SA via a Power over Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-172AL-VRSS-SA automatically acquire an IP address (using DHCP) and connect to the Syn-Apps server when connected to the network and powered up. Information specific to the application shall need to be programmed into the Syn-Apps server.

The VIP-172AL-VRSS-SA IP Talkback Doorplate Speaker/Intercom shall consist of a doorplate, network interface, mounting hardware, and a VIP-172-RLY Relay Block. The VIP-172AL-VRSS-SA shall be constructed of durable brushed stainless steel and shall have a call button for signaling and be equipped with a LED status indicator.

The VIP-172AL-VRSS-SA Network Interface shall be designed for

wall or shelf mounting and must be within 300 feet (100 meters) of the network switch. The VIP-172AL-VRSS-SA Doorplate shall be designed for double gang FD electrical box mounting and must be within 350 feet of the Network Interface. The VIP-172AL-VRSS-SA shall be suitable for indoor/outdoor applications. The Network Interface shall be mounted indoors only.

Maximum dimensions of the VIP-172AL-VRSS-SA IP Doorplate Speaker/Intercom shall be: 4.50in H x 4.50in W x 1.75in D (11.43cm x 11.43cm x 4.45cm). Weight shall be approximately 1.68lbs (0.76kg).

Maximum dimensions of the VIP-172AL-VRSS-SA Network Interface shall be: 1.62in H x 5.63in W x 3.45in D (4.11cm x 14.30cm x 8.73cm). Weight shall be approximately: 0.65lbs (0.29kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).