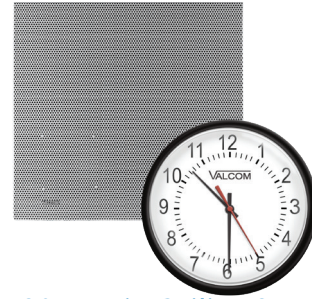# Technical Specifications

VIP-4122-A12 IP Lay-In Speaker and Analog Clock Combo

- Power over Ethernet (PoE) 802.3af compatible
- One-way paging and talkback intercom
- SIP compatible
- High-efficiency speaker
- High-quality audio
- NTP clock sync
- Quick and easy installation
- Indoor use only

2ft x 2ft Lay-in Ceiling Speaker and 12-Inch Analog Clock

Description: The VIP-4122-A12 Lay-in Speaker and Analog Clock Combo includes a 2ft x 2ft lay-in ceiling speaker and a 12-inch analog clock. The combo is powered by a single network PoE port. The speaker includes a 50-foot pre-connected cable that links the devices together. No backbox or baffle is required.

SPECIFICATIONS

SPEAKER ELEMENT
Voice coil impedance: 45 Ohms

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

FREQUENCY RESPONSE
80 Hz to 15 kHz

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

POWER REQUIREMENTS
Power over Ethernet (POE) 802.3af compatible

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

AUDIO CODECS
G.711 u-law, others

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

HOUSING AND FINISH
Clock
Steel enclosure with a black powder-coated finish
Lay-In Speaker
Steel grille with a white baked-on acrylic enamel finish

DIMENSIONS AND WEIGHT
Clock
12.81in dia x 1.20in D
(32.54cm x 3.05cm)
Weight: 3.70lbs (1.68kg)
Speaker
23.75in L x 23.75in W x 3.75in D
(60.33cm x 60.33cm x 9.53cm)
Weight: 5.50lbs (2.50kg)

ARCHITECTS AND ENGINEERS

The IP Lay-in Speaker and Analog Clock Combo, model VIP-4122-A12, shall consist of a 2ft x 2ft lay-in ceiling speaker, a 12in analog clock, and a 50ft cable. The VIP-4122-A12 shall provide synchronized time, talkback intercom, and loudspeaker paging from one IP network connection. The Analog Clock will sync its time with any NTP (Network Time Protocol) server.

Power shall be provided to the VIP-4122-A12 IP Lay-in Speaker and Analog Clock Combo via a Power over Ethernet (PoE) switch meeting the 802.3af specification. The VIP-4122-A12 shall automatically acquire an IP address (using DHCP) when connected to the network and powered up.

The VIP-4122-A12 clock case shall be constructed of steel with a durable black powder-coated finish. The VIP-4122-A12 lay-in speaker grille shall be constructed of steel with a white baked-on acrylic enamel finish. The VIP-4122-A12 shall be suitable for indoor applications.

The clock's maximum dimensions shall be 12.81in dia x 1.20in D (32.54cm x 3.05cm). Weight shall be approximately 3.70lbs (1.68kg). The speaker's maximum dimensions shall be 23.75in L x 23.75in W x 3.75in D (60.33cm x 60.33cm x 9.53cm). Weight shall be approximately 5.50lbs (2.50kg).

Warranty information may be found on our website at www.valcom.com/warranty.