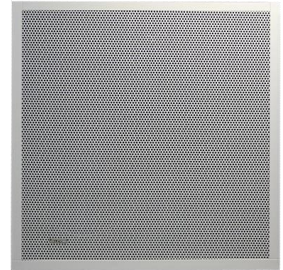


VE4122-D440 IP CLOCK/SPEAKER DIGITAL 2' X 2'

INTRODUCTION

The VE4122-D440 IP Clock with Speaker includes a 4" Digital Clock and a 2' x 2' Lay-in Ceiling Speaker. This provides synchronized time, talkback intercom and loudspeaker paging from one IP network connection. The 4-digit Digital Clock can be programmed to sync with any NTP (Network Time Protocol) server. The clock enclosure is made of steel with a durable powder coated finish. The color of the enclosure can be easily changed to match any décor. Power is provided to both the clock and speaker via a Power over Ethernet (PoE) switch meeting the 802.3af specification.



SPECIFICATIONS

Features

- RJ-45 network connection
- Easy to read, high visibility Red digits display hours and minutes (4 digit display)
- Selectable 12 or 24 hour format
- Power over Ethernet (PoE) 802.3af compatible
- High Efficiency

DIMENSIONS/WEIGHT – 4 Digit

- VIP-D440A – 17.00" L x 3.00" W x 6.75" H
(43.18 cm) x (7.62 cm) x (17.14 cm)
Weight: 4.50 lbs. (2.0 kg)
- V-CTLA – 23.75" L x 23.75" W x 3.75" D
(60.33 cm) x (60.33 cm) x (9.53 cm)
Weight: 5.5 lbs. (2.5 kg)





Nominal Power Requirements

Via 802.3af PoE Ethernet Switch: Class 3

Environment

Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating

Precautionary Designations

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<small>CAUTION: To reduce the risk of electric shock, Do not remove cover (on back). No user serviceable parts inside. Refer servicing to qualified service personnel.</small>		
	<small>This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.</small>	
	<small>This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.</small>	

INSTALLATION

FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at one's own expense.

Clock Mounting

Remove the side screws holding the mounting plate/rear panel to the enclosure. Mount the plate to the wall or a standard double-gang electrical box using appropriate hardware such as #8 pan head screws (not supplied). After making the required connections, reattach the enclosure to the mounting plate, rear panel.

Speaker Connection

Connect the attached wire assembly from the V-CTLA 2' x 2' ceiling speaker to the Speaker screw connections on the clock circuit board.

Network Connection

The VE4122-D440 has one RJ-45 network connector on the rear panel. Connect a standard Ethernet patch cable from the VE4122-D440 into an Ethernet switch. If a PoE switch is not available, a PoE mid-span injector may be used to supply power to the clocks.

Call Switch Connection

For IP Speakers using Talkback functionality, a call switch input via screw terminals is provided. Connect a momentary contact switch to Switch 1 and Ground.

-10 dB Line Level Out Connection

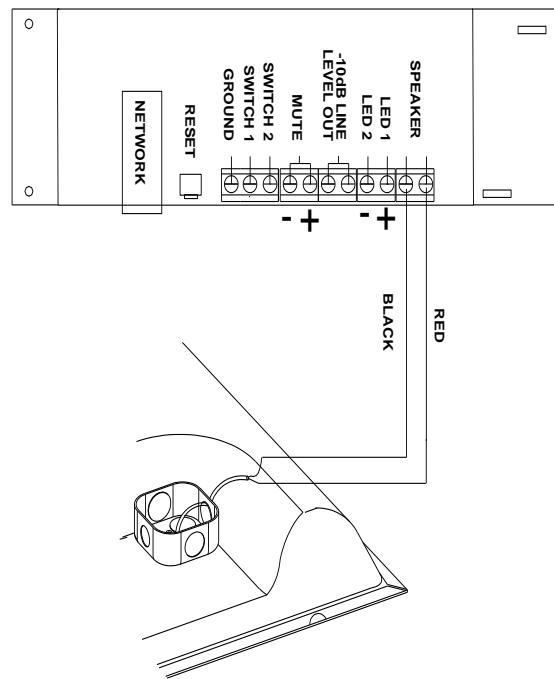
The -10dBm Line Level Out may be connected to up to 40 Valcom Self Amplified Speakers in order to provide additional sound reinforcement in an area.

Mute Out Connection

The Mute Out may optionally be connected to the mute input of Valcom audio management systems in order to suspend locally originated audio during intercom announcements.

LED 1 and LED 2 Connection

LED 1 (+) and LED 2 (-) is a current limited output designed to illuminate an optional LED. The LED is intended to provide visual indication of call progress. The LED illumination will flash when the call switch is pressed and will continue to flash until the call is answered. The LED illumination will be solid when a connection to the unit is established.



IP CLOCK/SPEAKER CONNECTIONS

SETUP

Information specific to your application will need to be programmed into the VIP's using a computer. The PC used for programming should be connected to the same subnet as the VIP's. Setup will be done using the IP Solutions Setup Tool. Download the latest version of the free IP Solutions Setup Tool from Valcom web site at www.valcom.com/vipsetuptool.

TECHNICAL ASSISTANCE

When trouble is reported, verify power is being supplied to the unit and there are no broken connections. If a spare unit is available, substitute a spare unit for the suspected defective unit.

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or visit our website at <http://www.valcom.com> or via email at support@valcom.com

Valcom equipment is not field-repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair & Return Dept.
5614 Hollins Road
Roanoke, Va. 24019-5056

WARRANTY

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

