

DIGITAL CLOCKS

FEATURES AND BENEFITS:

- Immediate Correction for Time Change
- Communication LEDs
- No backup battery required
- Two (2) settings for brightness
- Dynamic Input Voltage
- May be mixed with Valcom analog clocks
- Flush, Surface and Double Mount Housings Available
- Fully automatic plug and play – no settings required
- Automatic polarity detection
- Quick correction (Valcom 2-wire)
- UTP connectivity (24V only)
- Plug in Molex connectors
- Low profile
- Available in 110 VAC or 24 VDC
- Made in U.S.A
- UL, cUL, and FCC approved



V-D2425/V-D2440

Valcom 2 wire digital protocol only

V-D11024/V-D11040

Two (2) or Three (3) wire correction
Automatic communications protocol identification for

- Valcom 2 wire digital protocol
- Synch-wire 59th minute correction
- Synch-wire 58th minute correction
- Synch-wire National Time and Rauland

DESCRIPTION:

Valcom Bar Display digital clocks are available with either 2.5" or 4.0" high characters in a 4-digit display. Valcom digital clocks are available in 24VDC and 24VDC/110 VAC models. The 24VDC (V-D2425/V-D2440) series clock is a reliable, economical option, working with the Valcom Digital Communication 2-wire system. The 24VDC/110VAC (V-D11025/V-D11040) series clock is a state-of-the-art bar display timepiece, which outperforms the competition's clocks.

All of Valcom's digital clocks feature an exclusive, high efficiency, super-bright LED display. The clocks feature immediate corrections for time change. Digital clocks are available in wall, flush or double mount with multiple levels of programmable brightness. The low voltage model has a wide dynamic range and can work on both AC and DC power sources. Our unique, specially molded anti-glare front filter gives a smooth surface with no visible external screws, allowing for perfect reading. Our unique lines of digital clocks are energy efficient and dependable.

SPECIFICATIONS:

Display Size/Color:

2.5" or 4.0" red characters

Visibility:

2.5" Clock – 100 feet 4.0" Clock – 250 feet

Bezel:

Anti-glare red polycarbonate

Voltage Input:

2.5" clock 12 – 30 VDC/VAC
4.0" clock 16 – 28 VDC/VAC
78 -135vac/60 Hz (V-D11025 and V-D11040)

Average Current Consumption

(V-D2425/V-D2440):

2.5" Clock – 85 mA @ 24 VDC
4.0" Clock – 190 mA @ 24 VDC

Average Current Consumption

(V-D11025/V-D11040):

2.5" Clock – 85 mA @ 24 VDC/ 30 mA @ 110 VAC
4.0" Clock – 190 mA @ 24 VDC/ 45 mA @ 110 VAC

Display:

12 or 24-hour format

Bezel Dimensions:

2.5" clock: 10.31" W x 4.69" H
4.0" clock: 13.31" W x 6.75" H

Operating Temperature:

0° to 45° C

Shipping Weight V-D2425/V-D2440:

2.5" – 1.3 lbs 4.0" – 3.5 lbs

Shipping Weight V-D11025/V-D11040:

2.5" – 2.0 lbs 4.0" – 2.2 lbs

Compliance:

UL, cUL, and FCC approved



ARCHITECT & ENGINEERS SPECIFICATIONS VALCOM DIGITAL CLOCKS

Standard Digital Clocks

The clock shall be a Valcom V-D2425 or V-D2440 Digital Clock and shall have either a full 2.5" high efficiency red LED numeral display (when the V-D2425 clock is specified), or a full 4.0" high efficiency red LED numeral display (when the V-D2440 clock is specified). The clock shall operate as a Valcom 2-wire secondary clock with 12/24-hour display format and two levels of adjustable brightness and shall feature immediate correction for time changes. When input is lost, the colon of the clock display shall flash. The clock bezel shall be anti-glare red with a smooth surface. No external screws or studs shall be visible on the bezel or clock housing. The clock shall have UL, cUL and FCC compliance.

Advanced Digital Clocks

The digital clock shall be a Valcom V-D11025 or a V-D11040 Digital Clock and shall have a full 2.5" high efficiency red LED numeral display (when the V-D11025 clock is specified), or a full 4.0" high efficiency red LED numeral display (when the V-D11040 clock is specified). The clock shall operate as a stand-alone master or digital secondary clock with 12/24-hour display format, enable/disable daylight savings time, and three levels of programmable brightness. The clock shall be capable of alternating time and date in both American and European format and shall have a quartz crystal time base with 10-year battery backup. In slave mode, the clock shall be capable of synchronizing with 58 minute, 59 minute, National Time and Rauland Sync Wire inputs, Midnight Reset, and Valcom 2-wire digital communication inputs. When using Valcom digital communication input, the clock shall be capable of immediate correction for time changes. If input is lost, the colon of the clock display shall flash and the clock shall begin acting as a master. The clock bezel shall be anti-glare red with a smooth surface. No external screws or studs shall be visible on the bezel or clock housing. The clock shall have UL, cUL and FCC compliance.

Limited Warranty

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened.
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs
(major repairs will be subject to additional charges for parts and labor).

This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.