

Technical Specifications

V-AW12B/V-AW12B-MD/V-AW16B Wireless Analog Clock

- Easy installation & relocation
- Each clock acts as a repeater and transmitter
- Microprocessor based movement
- 915 – 928 MHz frequency-hopping technology
- Built-in Internal antenna
 - no expensive external antennae required
- Built-in diagnostic mode for easy maintenance
- Maintains accurate time during power outages
- Quick correction for time change
- Smooth surface black ABS case and polycarbonate crystal
- Energy efficient
 - 5 year battery life (standard) or 8 year battery life (economy)
- Available in 12in and 16in dial sizes
- FCC Compliant per FCC part 15 Section 15,247
- UL, cUL approved
- Indoor use



12in, Battery



12in, Battery
Military Dial



16in, Battery

Description:

The V-AW12B/V-AW12B-MD/V-AW16B Wireless Analog Clock incorporates multi-functional software, as well as a microprocessor based movement. Each clock acts as a repeater and transmitter. The clock includes automatic calibration and enhanced diagnostic functionalities for informing the user of battery level, signal strength, and complete testing of the movement. The V-AW12B/V-AW12B-MD/V-AW16B feature round metal cases with shatterproof polycarbonate crystals and are lightweight and durable. The V-AW12B-MD features a 24-hour dial with hours 13-24 in red on inner diameter for military time at a glance. Each time piece offers proven time-keeping accuracy and reliability and are battery operated with a 7 year battery life.

Valcom's synchronized Wireless clocks are ideal for schools, universities, offices, government agencies, healthcare, manufacturing and transportation facilities.

2022 Rev 1.8.10

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WIRELESS OUTPUT POWER

8 dBm

WIRELESS INPUT SENSITIVITY

-103 dBm

TIME BASE

Quartz, automatic calibration

OPERATING FREQUENCIES

915 – 928 MHz frequency-hopping technology

POWER REQUIREMENTS

Two 1.5 Volt D Cell Alkaline Batteries

ENVIRONMENT

32 to 113 °F (0 to 45 °C)

DISPLAYS

12-hour and 24-hour formats

HOUSING AND FINISH

Color: black

Dial: durable polystyrene

Case: black metal

Crystal: shatterproof, side-molded polycarbonate

DIMENSIONS AND WEIGHT

V-AW12B/ V-AW12B-MD

12.65in Dia x 2.18in D

(32.13cm x 5.54cm)

Weight: 2.50lbs (1.13kg)

Shipping Weight: 5.30lbs (2.39kg)

V-AW16B

16.65in Dia x 2.18in D

(42.29cm x 5.54cm)

Weight: 4.00lbs (1,81kg)

Shipping Weight: 6.70lbs (3.02kg)

MOUNTING

Surface, double, or flag mount

ACCESSORIES

V-WDM-12 Double-Sided Bracket

V-SMR12AW Surface Mount Housing

V-WDM-16 Double-Sided Bracket

V-SMR16AW Surface Mount Housing

V-WGACLK Wire Guard

ARCHITECTS AND ENGINEERS

The Wireless Analog Clock, model V-AW12B/V-AW12B-MD/V-AW16B, shall be a battery powered analog clock with a black hour hand, a black minute hand, and a red second hand. The V-AW12B-MD shall include a 24-hour dial with hours 13-24 in red on inner diameter for military time at a glance. The V-AW12B/V-AW12B-MD/V-AW16B shall be capable of receiving and then transmitting a signal. The clock shall use frequency-hopping technology to receive time data on a frequency range of 915-928 MHz. The frequency-hopping technology shall allow for a better and clearer signal even if there is interference in one of the frequencies.

The V-AW12B/V-AW12B-MD/V-AW16B Wireless Analog Clock shall include an executable method for automatic hand calibration and a diagnostic function that allows the user to view the quality of the signal, the last time the clock received a correction signal, the performance and a comprehensive analysis of the entire clock movement. The V-AW12B/V-AW12B-MD/V-AW16B shall transmit a stream of data every four (4) hours.

The V-AW12B/V-AW12B-MD/V-AW16B Wireless Analog Clock

voltage input shall be two 1.5 Volt "D" cell alkaline batteries. Operation temperature shall be 32 to 113 °F (0 to 45 °C).

The V-AW12B/V-AW12B-MD/V-AW16B Wireless Analog Clock case shall be constructed of a low-profile/semi-flush smooth surface metal with black finish. The clock case shall be round with 12 or 16 inch diameter. The dial is to be constructed of durable polystyrene material. The crystal shall be shatterproof, side-molded polycarbonate. V-AW12B/V-AW12B-MD/V-AW16B shall be suitable for indoor applications. The V-AW12B/V-AW12B-MD/V-AW16B shall be UL, cUL, and CE compliant.

The V-AW12B V-AW12B-MD maximum dimensions shall be: 12.65in Dia x 2.18in D (32.13cm x 5.54cm). Weight shall be approximately: 2.50lbs (1.13kg). The V-AW16B maximum dimensions shall be: 16.65in Dia x 2.18in D (42.29cm x 5.54cm). Weight shall be approximately: 4.00lbs (1.81kg).

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

