

MODEL

V-AW12B	12" Wireless Analog Clock, Battery
V-AW12B-MD	12" Wireless Analog Military Clock, Battery
V-AW16B	16" Wireless Analog Clock, Battery
V-AW12BLP	12" Wireless Analog Clock, 24V/110V
V-AW16BLP	16" Wireless Analog Clock, 24V/110V



FEATURES:

- Microprocessor based movement
- Each clock acts as a repeater and transmitter
- 915—928MHz frequency-hopping technology
- Frequent correction
 - Receiving and transmission rate every two hours (normal mode) or four hours (economy mode) for battery operation
 - Receiving and transmission rate of once a minute for 110V or 24V
- Internal antenna
- Improved sensitivity
- Enhanced diagnostic mode for informing the user of battery level, signal strength, and complete testing of the movement
- Quick correction for time change (max. five (5) minutes)
- Ideal for renovation projects using existing wiring, or for new installations
- Energy efficient:
 - 5 year battery life (in normal mode)*
 - 8 year battery life (in economy mode)**
 - 20 mA@ 24 VDC - 15 mA@ 110 VAC
- Does not require custom back box
- Smooth surface black ABS case and polycarbonate crystal
- Patents pending
- UL, cUL approved. FCC Compliant, FCC part 15 Section 15,247

DESCRIPTION:

Valcom's innovative analog wireless clocks incorporate multi-function capabilities. Every clock is capable of receiving and transmitting a signal. This type of system provides significant advantages because it is not limited to the distance or the signal path between the V-WMC and the clock. Since each clock acts as a repeater, the significant factor is the distance between one clock to another. The innovative 915–928 MHz frequency-hopping technology allows for a better and clearer signal even if there is interference in one of the frequencies.

The Valcom analog wireless clocks are designed to automatically work together without causing interference with each other. In fact, the more clocks in a specific area would increase the quality of the signal to each unit. These clocks include automatic calibration, as well as diagnostic functionality that allows the user to view the quality of the signal, how long since the last time the clock received a signal, and a comprehensive analysis of the clock itself. Valcom analog wireless clocks transmit a stream of data every four (4) hours (battery operated model only), and every minute (110V model).

The Valcom analog wireless clocks are compact, energy efficient and reliable. The clocks are available in 12" and 16" models.

Specifications

TIME BASE

Quartz, automatic calibration

POWER INPUT

Battery (2 "D" cell)
110 - VAC/60 Hz
24 VDC

AVERAGE CURRENT CONSUMPTION

Battery – 5 years (normal mode)*
Battery – 8 years (economy mode)**
20 mA @ 24VDC
15 mA @ 110VAC

POWER OUTPUT

8 dBm

INPUT SENSITIVITY

-103 dBm

OPERATING FREQUENCY

915 – 928 MHz frequency-hopping technology

DISPLAY

12-hour or 24-hour format

COMPLIANCE

UL, cUL, and FCC approved

COLOR

Black

DIAL

Durable polystyrene

CASE

Smooth surface ABS case

CRYSTAL

Shatterproof, side-molded polycarbonate

OPERATING TEMPERATURE

32 to 130°F (0 to 45°C)

DIMENSIONS AND WEIGHT

12-inch clock: 12.65" diameter, 2.18" depth

16-inch clock: 16.65" diameter, 2.18" depth

Weight: 12" – 2.5 lbs 16" – 4 lbs

POWER KIT INCLUDES

2 - Blue plastic anchor
2 - 10 x 1.5 sheet metal screw
1 - 4mm thread, 10mm length screw
1 - Mounting bracket

MOUNTING (OPTIONAL)

V-BDM12-S for 12" Wired Analog

V-BDM16-S for 16" Wired Analog

ARCHITECTS' AND ENGINEERS

The secondary clock shall be a Valcom Wireless analog clock. The clock will be capable of receiving a signal from multiple clocks. The clock shall receive and transmit with 915–928 MHz frequency–hopping technology. The clock is to be capable of transmitting the time simultaneously without interfering with each other.

The clocks shall include automatic calibration, as well as a diagnostic function that allows the user to view the quality of the signal, the last time the clock received a correction signal, a gearbox test and a comprehensive analysis of the entire clock. The clock shall have a maximum correction time of five (5) minutes. It shall be designed to be used with the Valcom V-WMC, which can be regulated via Valcom wireless communication protocol. Upon receipt of the wireless signal, the clock will immediately self–correct.

The clock shall have a semi–flush smooth surface ABS case. The dial is to be made of durable polystyrene material. The crystal is to be shatterproof, side molded polycarbonate. Glass and visible molding marks are unacceptable. The clock shall have black hour and minute hands as well as a red second hand. The clock shall be FCC compliant, part 15 Section 15,247.

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