

TECHNICAL SPECIFICATION
MASTER CLOCK
MODEL V-WMCA



FEATURES:

- LED display for a clear, accurate readout
- (S)NTP Input Capability
 - Up to ten server addresses can be pre-programmed into the unit for continuous, accurate synchronization (with web interface software upgrade)
 - DHCP Capable
- Interfaces with other systems
 - Interfaces with 59 and 58-minute correction, National Time and Rauland, as well as Dukane digital
- 12 or 24-hour mode
 - Automatic bi-annual daylight savings time changes (when used as a primary master clock)
- Bias seconds output
- Adjust the time plus or minus a few seconds or minutes to fit your application, while still receiving an input from another source
- RS485 input and output for time correction and synchronization
- Two relays for simultaneous correction of two synchronous-wired clock systems
- Microprocessor based
- Ten-year battery backup for timekeeping
- Wireless Transmitter/Repeater for correction of the Valcom wireless analog clocks or Valcom digital clocks
 - Web interface software
 - Extremely intuitive graphical user interface that allows the user to configure all of the settings of the master clock through a simple web interface control of all of the IP settings



Specifications

TIME BASE

Crystal

VOLTAGE INPUT

85 - 265 VAC
50/60 Hz

INPUTS

SNTP, Wireless repeater, RS485, 58-minute correction, 59-minute correction, National Time and Rauland, Dukane digital

OUTPUTS

RS485 and 2 clock circuits

OPTIONAL OUTPUTS

Valcom Wireless Communication (V-WMCA only/V-GPS-TX)

COMPLIANCE

UL, cUL listing - FCC approved, part 15 section 15,247
UL 863 CSA C22.2
UL Cert. 20140123 – E192482

DISPLAY

.56" LED display

CALENDAR

Built-in calendar with leap

STANDBY TIME KEEPING

Ten (10) years

MEMORY

Non-volatile EEPROM

OPERATING TEMPERATURE

32 to 130°F (0 to 45°C)
Shelf: 5 to 158°F (-15 to 70°C)

HOUSING

Smooth surface metal case **Color:** Black

DIMENSIONS AND WEIGHT

11" L x 17.5" W x 1.75 D (27.94 cm x 44.45 cm x 4.45 cm)
Weight: 6.5 lbs (2.90 kg)

MOUNTING

Wall mount

RF SIGNAL OUTPUT

30 dBm (1 watt)

TRANSMISSION FREQUENCY

915 - 928 MHz frequency-hopping technology

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