

## 2.4 GHz Wireless Rack Mount Master Clocks



RC102-V3

### Highlights

- OCXO Oscillator that is accurate to 2 PPB (parts per Billion) or 1 second over 20 years
- NTP Time Synchronization Standard, Wireless GPS is optional
- Synchronizes time across your facility or campus using mesh network technology
- Automatically adjusts time for daylight savings time (DST)
- Supports dual redundant master clock operation
- Dual redundant time sources (Any Combination of HP, GPS or NTP)
- Ability to have redundant master clocks that automatically switch between primary and secondary.
- Provides time updates to secondary digital clocks 43,200 times per day
- 2.4 GHz, Direct Sequence, Spread Spectrum Technology
- Operates on the Industrial, Scientific and Medical band
- Does not interfere with Wi-Fi networks
- User selectable display. Choose between three different informative clock display modes.
- Long duration capacitor time backup. No batteries to replace ever
- Rule based method for setting DST, makes it easy to update Government DST rule changes
- Designed to operate on IPv4 Ethernet standards
- No FCC license required
- AES 128 bit data encryption for secure, reliable communications
- Ideal replacement clock system for expensive to maintain hardwired clocks
- Energy efficient operation
- Assembled in the U.S.A.
- Patents Pending
- FCC part 15.247 certified, CE certified

# 2.4 GHz Wireless Rack Mount Master Clock

## Display Modes

The RC 100 features three different display modes for your convenience.

**Mode 1**, the default scrolls the display from time to Date, transmit indicator, Primary/secondary master clock, time sync source, Alarm Schedule loaded.



**Mode 2**, displays 6 digit time, time sync method, primary & secondary master clock.



## Specifications

Time Base Capacitor Backup:	20 years
Synchronized Accuracy:	10 milliseconds
Stand Alone Accuracy:	2 PPB (1 second in 20 years)
Average Current:	100 mA @ 110 VAC 50 mA @ 220 VAC
Operating Frequency:	2.4 GHz Direct Sequence, Spread Spectrum
Radio Band:	Industrial, Scientific and Medical (ISM)
Data Encryption:	AES 128 Bit
Display:	12 and/or 24 hour format
Compliance:	FCC Part 15.247
Case Dimensions:	19"W x 3.5"H x 5.5D" (482mm x 89mm x 140mm) 2 - Rack Units High
Weight:	3.0 lbs. (3.18 kg)
Case:	Plastic
Color:	Black

**Mode 3**, displays 4 digit time, time sync method, primary & secondary master clock.

