

# TimeView® 312 Wired Analog Clock

Model TV312W



- **Perfect for Time and Attendance Systems,**
- **General Displays, and Alarms.**
- **Step Second Hand**
- **Each clock can synchronize up to 32 other devices (clocks, etc.)**
- **Accurate to 250 Milliseconds Relative to UTC**
- **Self-Adjusting After Power Interruption**
- **One-Year Warranty**

The TimeView® analog clock is an easy way to provide system-wide, synchronized time using a wired solution. Spectracom wired analog clocks are synchronized to a NetClock® or Ethernet time server for Legally Traceable Time®.

The analog clock face is ideal for airports, hospitals, and other applications in which a traditional 12-hour, round clock is desired. The Spectracom analog clock combines the accuracy of a digital clock with the traditional look of an analog clock.

Each clock can synchronize up to 32 other devices, creating a configuration that can span up to 4,000 feet.

Spectracom solutions provide Legally Traceable Time to synchronize your critical operations. Legally traceable time stamps provide necessary evidence and validation of events to reduce liability risks.

## Performance

**Timing Accuracy**  $\pm$  250 milliseconds

## Front Panel

### Display

- 12" diameter clock face
- Arabic numerals
- Step second hand
- Black hour and minute hands
- Quiet operation

### Orange LED Indicator

- Off when in sync
- On continuously when out of sync
- Flashes once per second during self-adjustments
- Flashes for 1/8 second at top of minute (:59:00)
- Flashes twice for 1/8 second at top of hour

### Time to Synchronize Hands

- Self-adjusting after power interruption
- Average case (6-hour error): 31 minutes
- Daylight Saving Time (spring forward one hour): 5 minutes
- Daylight Saving Time (fall back one hour): 55 minutes

## Rear Panel

### Controls

Test button permits access to RS-232 set-up port for parameters, such as time and calibration of analog display. Settings retained in non-volatile memory.

### Input Port

#### RS-485 input three-position terminal block

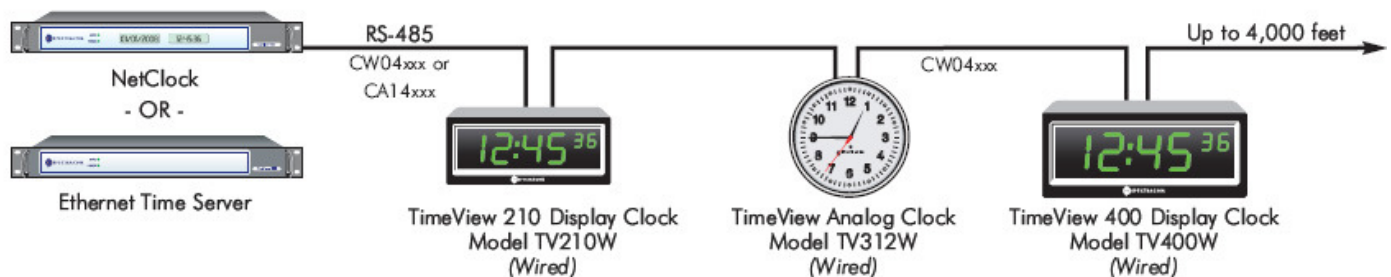
- RS-485 over a balanced wire pair
- SmartBus automatically detects baud rate (1200-9600)
- SmartBus automatically detects required time code Format 0 or 1 from NetClock® master clock or wireless TimeView.

### Output Port

#### RS-485 output three-position terminal block

- RS-485 repeater of input port signal
- Capable of driving wired wall clocks (TV210W/TV400W/TV312W)

## TimeView Installation



## Power

### Power Supply

100-250 VAC, 47-63 Hz to 12 VDC @ 9.6 watts max. from external UL/CSA approved power supply. Re-order number: PS03-0T0J-WM01. Barrel-type power connector; 5.5 mm OD, 2.5 mm ID, female, center positive

### Battery Back-Up

10-year storage/operating life lithium battery maintains internal time during power interruption

## Physical & Environmental

### Size/Weight

- 14" (356 mm) diameter housing
- 11.75" (298 mm) dial imprint area
- 2.8" (71 mm) depth
- 2 lbs (0.9 kg)

### Environmental

Operating Range: 32° to 140°F (0° to 60°C)  
Storage Range: -40° to 185°F (-40° to 85°C)  
Relative Humidity: 10–95%, non-condensing

### Agency Approvals

UL/CSA (power supply)

### Warranty

One-Year Limited Warranty

## Ordering Information

### TimeView® Display Clock

TimeView® 312 Analog Clock – Model TV312W

### Option 03

Event Alert System: top and bottom lights (LEDs) and internal buzzer

## Accessories

### Cable

**CW04xxx:** twisted pair wire connect TV312W to NetClock or other clocks

**CA14xxx:** RS-485 cable, where xxx = length in feet