



TimeView® 210 Wireless Display Clock

Model TV210V, Model TV210U, Model TV210G



Wireless display clock synchronized from a NetClock® for Legally Traceable Time® (available in standard green or optional red digits).

- **Perfect for Time and Attendance Systems, General Displays, and Alarms**
- **Built-in Radio Receiver with Antenna**
- **Highly Visible LED Digits**
- **Switch-Selectable 12/24-Hour Format**
- **Accurate to 250 Milliseconds Relative to UTC**
- **Optional Event Alert Features**
- **Self-Adjusting After Power Interruption**
- **Five-Year Warranty**

The TimeView® display clock is an easy, affordable means of providing system-wide, synchronized time using a wireless solution. The Spectracom wireless clock system delivers coordinated system time to all wall displays *without hardwiring*. A wired model is also available.

A typical system includes the Spectracom NetClock®, a TimeBurst™ module, and TimeView wireless clocks. Unlike other systems that require multiple transmitters and antennas in close proximity to the displays, Spectracom solutions use the existing conventional (non-trunked) VHF FM radio system (Model TV210V), UHF FM commercial radio system (Model TV210U), UHF FM government-band radio system (Model TV210G), or a pager system with audio input (depending on your requirements) to transmit accurate, synchronized time from the central communications system to any site in the operation. The TimeBurst receives time from the NetClock through an RS-485 port and connects to the radio transmitter. A user-defined schedule automatically keys the transmitter and sends a coded time-of-day digital burst.

All TimeView 210 display clock models have internal radio receivers and internal (or optional external) antennas. Each clock decodes the TimeBurst transmission and sets its internal clock to within 250 milliseconds of the NetClock's time.

The optional Event Alert features provide visible and audible alert systems. Commands are executed using the TimeBurst Model 8185, Option 01 for Event Alert.

The Spectracom Wireless Clock is easy to install, automatic, reliable, and visible up to 75 feet away.

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.



TimeView® 210 Wireless Display Clock

PERFORMANCE

TIMING ACCURACY:

+/- 250 milliseconds

RF RECEIVER:

- FM receiver; supports standard and narrow-band FM voice channels
- 6.25 KHz channel spacing
- 2.5 or 5 KHz FM deviation
- Operates on 25 or 12.5 KHz channels
- VHF: 150-174 MHz (programmable)
- UHF (commercial band): 440-470 MHz (programmable)
- UHF (government band): 406-420 MHz (programmable)

SENSITIVITY

-107 dBm (1 μ V) typical at receiver RF input

FRONT PANEL

DISPLAY:

- Green LED standard; red LED optional; 12- or 24-hour
- 2.3" (58 mm) hours and minutes digits
- 1.0" (25 mm) seconds digits
- Visibility to 75 feet (23 meters)
- Seconds digits blink to indicate loss of time synchronization
- Decimal point of hours digit flashes for one second when time data is received

REAR PANEL

SELECTABLE FUNCTIONS:

Set-up switches configure:

- Manual time set
- 12- or 24-hour display
- Brightness
- RF frequency
- RF signal strength
- Grouping
- Buzzer volume for options 01, 02, 03
- Settings retained in non-volatile memory

OUTPUT PORTS:

Two RS-485 output three-position terminal blocks

- Once per-second serial time code (format 0), 9600 baud
- Format 5 output included for event alert options
- Capable of driving wired wall clocks (TV210W/TV400W/TV312W), TimeTaps® (8179T)
- Accurate to +/- 75 msec (updated once per hour)

POWER:

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

BATTERY BACK-UP:

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

PHYSICAL & ENVIRONMENTAL

SIZE/WEIGHT:

13" L x 4.9" H x 2.7" D, 2.2 lbs
(330 mm L x 124 mm H x 69 mm D, 1.0 kg)

ENVIRONMENTAL:

Operating Range: 32° F to 140° F (0° C to 60° C)

Storage Range: -40° F to 185° F (-40° C to 85° C)

Relative Humidity: 10-95%, non-condensing

AGENCY APPROVALS:

UL/CSA (power supply)

FCC Part 15 Class B

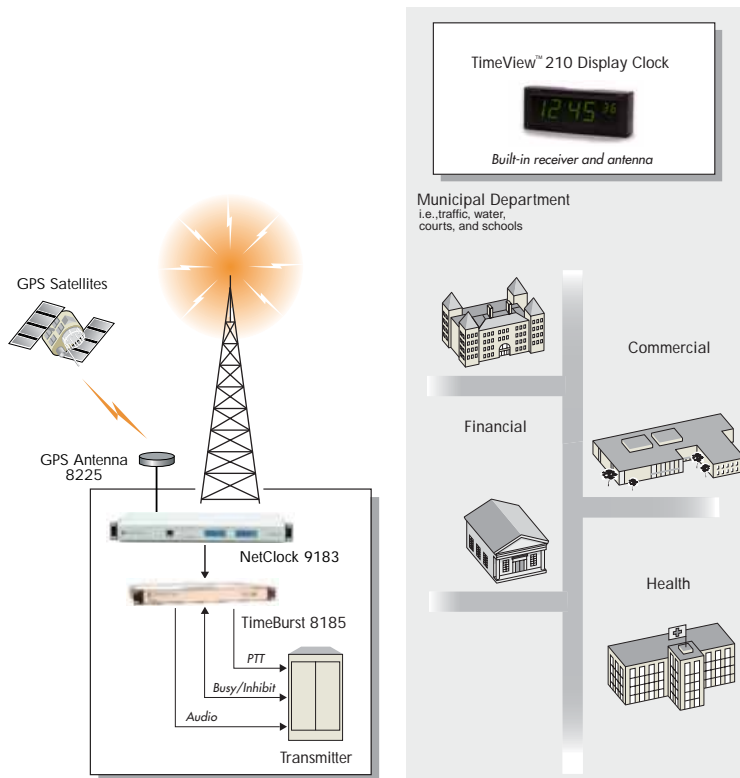
WARRANTY

FIVE YEAR LIMITED WARRANTY

ORDERING INFORMATION

1. **TimeView® Display Clock**
TimeView 210 Display Clock – Model TV210V
TimeView 210 Display Clock – Model TV210U
TimeView 210 Display Clock – Model TV210G
2. **Option 01: Event Alert system** – top lights (LEDs) and internal buzzer
3. **Option 02: Event Alert system** – bottom lights (LEDs) and internal buzzer
4. **Option 03: Event Alert system** – top and bottom lights (LEDs) and internal buzzer
5. **Option 04: External antenna and connector**
6. **Option 05: Red Digits** (TV210U only)

TIMEVIEW 210 DISPLAY BLOCK DIAGRAM



For more information, please contact Spectracom.

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