TimeView® 210 UHF Display Clock
Model TV210G

- **For existing installations only**

- **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**

TimeView® display clocks offer an easy way to provide system-wide, synchronized time. The Spectracom wireless clock system is available for existing installations only. A wired model is available for any installation.

A typical system installation includes the Spectracom NetClock®, a TimeBurst™ module, and TimeView government-band UHF wireless clocks. Unlike other systems that require multiple transmitters and antennas in close proximity to the displays, Spectracom solutions use the UHF FM government-band radio system, 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 UHF government-band 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.

Performance

Timing Accuracy
± 250 milliseconds

Radio Receiver
- FM receiver; supports standard 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
- UHF (government band): 406-420 MHz (programmable)

Sensitivity
-107 dBm (1 uV) typical or receiver RF input

Front Panel

Display
- Green LED standard; 12- or 24-hour
- 2.3" (58 mm) hours and minutes digits
- 1" (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 Port
Two RS-485 outputs three-position terminal block
- 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), TimeTap® (8179T)
- Accurate to ± 75 msec (updated once per hour)

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
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° 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)
- FCC Part 15 Class B

Warranty
Five-year limited warranty
[1]The warranty period may be dependent on country.

Ordering Information
TimeView® Display Clock
TimeView® 210 Display Clock – Model TV210G

Option 01
Event Alert System: Top lights (LEDs) and internal buzzer
Option 02
Event Alert System: Bottom lights (LEDs) and internal buzzer
Option 03
Event Alert System: Top and bottom lights (LEDs) and internal buzzer
Option 04
External Antenna and Connector

Timeview 210 Display Block Diagram