



## Operating and installation instructions for the WT-250-Wireless-System



### Description:

- **The WT-250-Wireless-System, is a Made in the U.S.A, wireless data transmission system for DC-Digital displays.**
- Power: 100-240Vac to 9VDC @ 1.11A Wall Adapter, 2.1mm coaxial plug with 6ft cord (user to supply standard outlet).
- Frequency: 900Mhz, Frequency hopping, ISM band, Spread spectrum, estimated indoor range of 1000 feet.
- Data connections to computer or DC-GPS-MI: DB-9, RS-232 with 9 of cabling Male to Female.
- Mounting: Wall mount or desk top
- Weight: less than 1lbs.
- Enclosure transmitter: All aluminum housing 1.0 inches tall x 4.0 inches long x 3.0 inches wide.
- Paint: Black textured (finger print resistant) powder coat finish.



**Connections:** Make all proper connections before putting the WT-250-Wireless-System into operation.

- Connect the Omni-Directional antenna to the transmitter. The Antenna should remain vertical and at 90 degrees to the ground.
- Connect the WT-250-Wireless-System (transmitter) DB-9, Serial RS-232 cable to either the computer DB-9 Serial RS-232 connection
  
- Plug the WT-250-Wireless-System (transmitter) into a standard 120VAC wall outlet using the 9VDC @ 1.11A Wall Adapter, 2.1mm coaxial plug with 6ft cord. The Red power LED will light.
  
- Setup the EZ-Time software and computer or setup the DC-GPS-MI (see separate instructions)
  
- Send data to the WT-250-Wireless-System (transmitter) and observe the LEDs. They will; light as follows:
  - Green LED = Data-in from host
  - Yellow LED = Data-Out
  - (3) Green LEDs are RSSI (signal strength)
  
- **Mounting:** Mount the WT-250-Wireless-System (transmitter) up high and so that the Omni-direction antenna (provided) remains vertical and at 90 degrees to the ground. The transmitter should have in clear view or best view of the devices that are reliant upon it for data. In many cases the WT-250-Wireless-System (transmitter) can be set on a desk near the EZ-Time computer or near the DC-GPS-MI. Always test the mounting location site for best and most reliable data transmissions before permanently mounting the transmitter.
- Note: Obstructions will reduce and or entirely block data transmissions from reliable getting to the dependent devices.
- Note: Before permanently mounting the WT-250-Wireless-System (transmitter) set it up at a temporary location to check the for proper data reception at the dependant devices.

**For further questions please contact Industrial Electronic Service D.B.A. DC-Digital @ 937-746-9750 or visit us @ [www.dc-digital.com](http://www.dc-digital.com).**