SERIES 5750 Temperature Transmitter

The SERIES 5750 temperature transmitter from Watlow® offers remarkably accurate temperature measurement and improves reliability to reduce downtime and costs.

Programming Instructions

To ensure proper operation and optimal performance, it is necessary to program the unit with parameters that best match your application’s need.

Below is an image of the SERIES 5750 transmitter showing the low profile wiring connections and moisture sealed USB port.

To utilize the USB port you must use Watlow transmitter programming software version 1.24 or greater. The legacy 9-pin serial port can still be used but only with software version 1.23 or older.

SERIES 5750 Transmitter
Universal Serial Bus (USB) Software Version 1.24 or newer
Legacy 9-pin Serial Port Software Version 1.23 or older

Watlow transmitter programming software is compatible with all versions of Windows® XP or newer, utilizing the appropriate USB cables and interface box shown below. The legacy 9-pin serial port is typically utilized with PCs running Windows® XP or older. Watlow recommends upgrading to the USB standard since support for the legacy 9-pin will be ending July 31, 2015.

The USB connection components needed are shown below. There are three parts to the system.
1. PC to interface box cable, part number 51002501
2. Interface box, part number 51002601
3. Transmitter to interface box cable, part number 51002801

Connecting a single cable from the transmitter to a PC USB port will not work. The interface box is required to communicate with the transmitter.

All three parts can be ordered using part number 5750-KIT. The transmitter part number 5750 must be ordered separately.

Software Installation

The required software to program the Watlow SERIES 5750 transmitter can be downloaded from www.watlow.com under Download Center/Software and Demos. Look for Watlow 5750 transmitter programming software.

Start downloading the installation software before connecting any cables. You will be instructed to connect the transmitter cables at the appropriate time during the installation.

Navigate to your download folder and double click on the software file to start the installation. The window below should appear.

Watlow transmitter programming software requires the installation of the appropriate USB driver. To begin installation click on the USB driver program button shown below. Accept the default locations. If you have already installed the USB driver you may skip this step.

If desired you can also install the help files from this screen so that they can be directly accessed from the configuration screen as shown later.

After the USB driver program is complete, click on the WG5750 button to begin configuration of your Watlow SERIES 5750 transmitter.
The following screen will appear to lead you through the installation steps. Click Next when the screen below appears and follow the instructions until the software installation is complete.

![Software installation image](image)

Installation is complete when you see the screen below.

![Installation finished image](image)

Click Exit to complete the installation.

### Hardware Connection

At this time connect the USB cables (P/N 51002801 and P/N 51002501) to the Watlow SERIES 5750 transmitter and interface box (P/N 51002601). Lastly, connect the USB cable (P/N 51002501) to the PC USB port.

### Transmitter Programming

Launch the Watlow transmitter programming software by clicking on the newly installed icon in the Watlow program group or the desktop icon if selected. The configuration screen shown below should appear.

![Transmitter programming software](image)

To change from Celsius to Fahrenheit, click on Options in the menu and then click Temperature Units and select °F.

Fill in appropriate settings to reflect your required parameters. Selecting TC or RTD will change the programming options as appropriate.

When parameters have been entered, click on 🔄 (Trans Down) button to transfer settings to the SERIES 5750 transmitter. A dialog box will appear with the following warning: Warning! Do not remove cable. Data transmission. This dialog box will disappear when transfer is complete. To verify that the settings have been programmed to the transmitter, click on 🔄 (Trans Up) button to load the current settings into the on-screen fields. Again, there will be a dialog box with the following warning statement: Warning! Do not remove cable. Data transmission. When this warning disappears the screen will reflect the stored settings from the SERIES 5750 transmitter.

### Additional Information

For more detailed instructions on setting parameters and other help topics, install help files using the installation program. Once the help files are installed, they can be accessed directly from the help menu in the configuration software. This is a one-time installation. The installation screen is shown below with the Help Files button.

![Help files](image)

To check your software version, click on Help and then click on About to see the following screen.

![Software version](image)

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