

The following video tutorials are available in the *Downloads Center* under *Training and Education* at [www.watlow.com](http://www.watlow.com).

### Silver Series Secrets

These video tutorials cover setting up and using Silver Series Operator Interface Terminals (OITs).

#### **Using a Sample Project**

**Covers:** Connecting an EZ-ZONE<sup>®</sup> PM controller to a Silver Series OIT, setting the controller's communications settings, installing EZware-5000 software and a sample project, opening the sample project, modifying the sample project, compiling it and downloading it to the OIT.

**File:** ss01b.wmv (28,147 KB)

**Running Time:** 9 minutes

#### **Setting Up Modbus<sup>®</sup> TCP Communications with an EZ-ZONE Gateway**

**Covers:** Connecting EZ-ZONE controllers to a Silver Series OIT via Ethernet using an EZ-ZONE RM Access Module with Ethernet Gateway, using EZ-ZONE Configurator software to set up a gateway for Modbus<sup>®</sup> TCP communications, selecting gateway offset settings, configuring a gateway, creating a new Silver Series project in EasyBuilder5000, configuring a Silver Series' Modbus<sup>®</sup> TCP/IP Master communications driver and addressing data in the EZ-ZONE products connected via a gateway.

**File:** ss02\_a.wmv (24,594 KB)

**Running Time:** 14 minutes

#### **Setting Up Modbus<sup>®</sup> RTU Communications with an EZ-ZONE Gateway**

**Covers:** Connecting EZ-ZONE controllers to a Silver Series OIT via a 485 network with an EZ-ZONE RUI with Modbus<sup>®</sup> RTU Gateway, using EZ-ZONE Configurator software to set up a gateway for Modbus<sup>®</sup> RTU communications, selecting gateway offset settings, configuring a gateway, creating a new Silver Series project in EasyBuilder5000, configuring a Silver Series' Modbus<sup>®</sup> RTU Master communications driver and addressing data in the EZ-ZONE products connected via a gateway.

**File:** ss03\_b.wmv (19,728 KB)

**Running Time:** 13 minutes

## Silver Series Secrets *(continued)*

### **Setting Up Modbus<sup>®</sup> TCP Communications without a Gateway**

**Covers:** Connecting EZ-ZONE PM controllers to a Silver Series OIT via an Ethernet network, using EZ-ZONE Configurator software to set up the controllers for Modbus<sup>®</sup> TCP communications, configuring the OIT for Modbus<sup>®</sup> TCP communications, creating a new Silver Series project in EasyBuilder5000, configuring Modbus<sup>®</sup> TCP/IP Master communications drivers and addressing data in the EZ-ZONE products.

**File:** ss04\_a.wmv (16,082 KB)

**Running Time:** 11 minutes

### **Setting Up Modbus<sup>®</sup> RTU Communications without a Gateway**

**Covers:** Connecting EZ-ZONE RM controllers to a Silver Series OIT via a 485 network, connecting the controllers to a computer via a USB-to-485 converter, using EZ-ZONE Configurator software to set up controllers for Modbus<sup>®</sup> RTU communications, creating a new Silver Series project in EasyBuilder5000, configuring a Modbus<sup>®</sup> RTU Master communication driver, and addressing data in multiple EZ-ZONE products on a Modbus<sup>®</sup> RTU 485 network.

**File:** ss05\_a.wmv (21,977 KB)

**Running Time:** 14 minutes

### **Logging Data from EZ-ZONE<sup>®</sup> Products**

**Covers:** Using the time-based data transfer object to copy data from EZ-ZONE controllers to the OIT's on-board memory, setting up the data sampling object to record data periodically, retrieving data log files from the OIT and opening log files in Microsoft<sup>®</sup> Excel.

**File:** ss06\_a.wmv (21,652 KB)

**Running Time:** 10 minutes

### **Graphing Data from EZ-ZONE<sup>®</sup> Products**

**Covers:** Creating real-time trends to display the values of multiple parameters as they are read from EZ-ZONE controllers and historical trends to display the data stored by the OIT's data sampling feature.

**File:** ss07\_a.wmv (22,768 KB)

**Running Time:** 11 minutes

# SpecView Secrets

These video tutorials cover use of SpecView human machine interface (HMI) software with Watlow products.

## **Changing Communications Settings in Sample Configurations**

**Covers:** Opening and changing the COM port and instrument addresses demonstrated with the *Watlow EZ-ZONE<sup>®</sup> PM – Standard Bus* sample configuration in SpecView.

**File:** sv01\_a.wmv (8,062 KB)

**Running Time:** 6 minutes

## **Using Sample Configurations Part 1**

**Covers:** Toggling full-screen mode, operating controls on graphical display windows, using the parameter list, reading the trend chart, generating log reports and viewing recent events using historical replay with the *Watlow EZ-ZONE<sup>®</sup> PM – Standard Bus* sample configuration in SpecView.

**File:** sv02\_a.wmv (13,262 KB)

**Running Time:** 6 minutes

## **Using Sample Configurations Part 2**

**Covers:** Setting up and managing alarms, operating ramp and soak profiles, editing profiles, saving profiles in a recipe and downloading profiles with a recipe using the *Watlow EZ-ZONE<sup>®</sup> PM – Standard Bus* sample configuration in SpecView.

**File:** sv03\_a.wmv (12,014 KB)

**Running Time:** 6 minutes

## **Automatic Configuration**

**Covers:** Creating a new configuration and automatically detecting controllers. Uses a *Watlow EZ-ZONE<sup>®</sup> RM Controller* as an example.

**File:** sv04\_a.wmv (11,110 KB)

**Running Time:** 5 minutes

## **Graphical Display Window Basics**

**Covers:** Creating and formatting fields and labels and creating increment and decrement buttons and bar graphs. Uses a *Watlow EZ-ZONE RM Controller* as an example.

**File:** sv05\_a.wmv (17,918 KB)

**Running Time:** 9 minutes

# That's Easy!

These video tutorials cover setting up and using EZ-ZONE<sup>®</sup> products.

## ***Installing a USB-to-485 Converter and EZ-ZONE Configurator Software***

**Covers:** Installing a USB-to-485 converter, connecting an EZ-ZONE PM controller to the converter, setting the controller's communications options, installing EZ-ZONE Configurator software and detecting controllers with EZ-ZONE Configurator.

**File:** ez01a.wmv (12,342 KB)

**Running Time:** 7 minutes

## ***Configuring a Controller with EZ-ZONE Configurator***

**Covers:** Running EZ-ZONE Configurator, establishing communications with a controller, navigating the on-line editor, configuring closed-loop control and an integrated limit, configuring an alarm with an output, performing an auto tune and saving the controller's settings on the computer.

**File:** ez02a.wmv (18,044 KB)

**Running Time:** 11 minutes

## ***Changing the Closed-Loop Set Point in an EZ-ZONE Controller***

**Covers:** Changing the closed-loop set point using the EZ-ZONE controller's keypad and display.

**File:** ez03c.wmv (10.0 MB)

**Running Time:** 7 minutes

## ***Changing the Control Mode in an EZ-ZONE Controller***

**Covers:** Changing the control mode using the EZ-ZONE controller's keypad and display.

**File:** ez04c.wmv (16.4 MB)

**Running Time:** 10 minutes

## ***Changing the Display Units in an EZ-ZONE Controller***

**Covers:** Changing the units in which temperatures are displayed on an EZ-ZONE controller.

**File:** ez05c.wmv (10.0 MB)

**Running Time:** 6 minutes

## Prerequisites

- Computer with Microsoft® Windows® 7, Vista or XP
- Microsoft® Windows® Media Player (tested on Version 10)
- Speakers or headphones

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