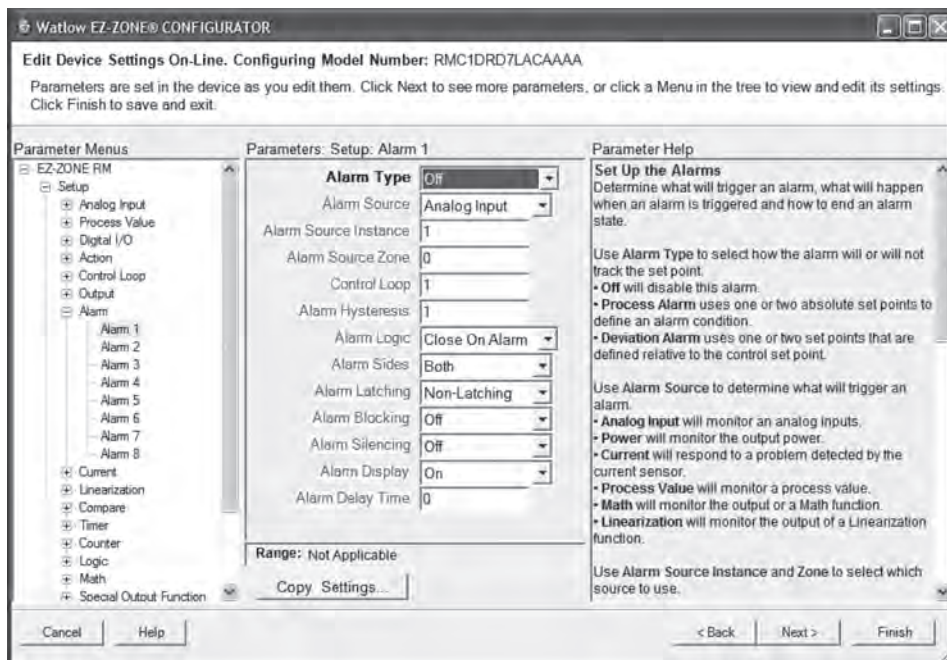


Software

Product	Description	Supported Controllers	Operating Requirements	Page
EZware-5000	Software for configuring Silver Series OITs	Silver Series OITs	Windows® 7 32-bit and 64-bit, Vista 32-bit and 64-bit, XP	375
EZ-ZONE® Configurator	Software for configuring EZ-ZONE products	EZ-ZONE controllers	Windows® 7 Professional (32-bit and 64-bit) Windows® Vista Professional (32-bit and 64-bit) Windows® XP Professional	377
EZ-ZONE GSD Editor	Software for creating PROFIBUS GSD files for EZ-ZONE products	EZ-ZONE controllers	Windows® XP Professional	379
EZ-ZONE LabVIEW™ Driver	Virtual instruments (VIs)/driver to interface LabVIEW™ with EZ-ZONE products via Standard Bus	EZ-ZONE controllers	LabVIEW™ versions 8.6 and later	380
SpecView HMI Software	Human machine interface for Watlow® controllers	See catalog page 366	Windows® 7 32-bit and 64-bit, Vista 32-bit and 64-bit, XP (home and professional), 2000, NT 4.0, ME, 98, 95	381
EHG® SL10 Software	Software for configuring and monitoring EHG SL10 controller	EHG SL10	Windows® XP Professional	382
WATVIEW™	Human Machine Interface for older Watlow controllers	See catalog page 371	Windows® XP	383





Software

EZware-5000

The EZware-5000 software suite creates, edits and manages projects for Silver Series operator interface terminals (OIT). The suite includes EasyConverter, EasyBuilder5000, Project Manager and Recipe/Extended Memory Editor programs.

The Silver Series programming software, EasyBuilder5000, features a large variety of built-in screen objects that makes it easy to use and very powerful. When creating screens, the user can call upon extensive graphics libraries, import custom graphics and add numeric displays, entry fields, analog meters, bar graphs and trend graphs with just a few mouse clicks. Screen objects are highly customizable, and the user can create libraries of their own objects for repeat use. The online simulator, Ethernet and universal serial bus (USB) support make testing and downloading fast.

The EZware-5000 software suite is available for download free of charge at www.watlow.com and on the Controller Support Tools DVD-ROM (part number 0601-0001-0000) included with the related Watlow controllers.

Features and Benefits

Powerful, easy-to-use EasyBuilder5000, screen development program

- Creates and modifies screens for Silver Series OITs
- Provides access to features for use on Silver Series screens
- Enables configuration of drivers for communications between Silver Series OITs and Watlow EZ-ZONE controllers and other automation devices
- Creates a useful interface with only a small time investment
- Provides advanced interface features such as animation and pop-up windows

Offline and online simulation

- Speeds up development by making it faster and easier to test projects
- Allows faster creation of fine-tuned interfaces by speeding up iterations

Upload and download password protection

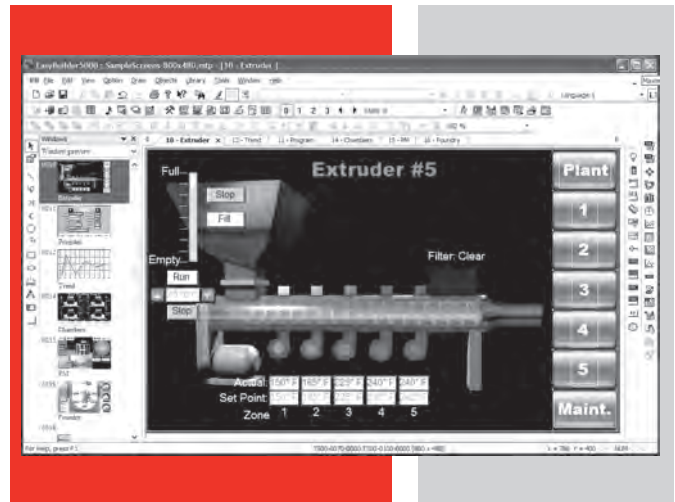
- Prevents users from altering projects
- Protects projects in OITs from accidental overwrite

Extensive graphical libraries and user-created libraries

- Reduces development time and facilitates reuse
- Simplifies development by allowing import of common graphic formats: bitmaps, JPEGs and animated GIFs

Project Manager

- Simplifies managing projects for multiple applications



Project compress/uncompress

- Archives all necessary files in one compressed file
- Allows a single file to be saved or delivered as the project source

User-programmable macros with math functions and support for floating point

- Extends functionality
- Automates processes

TrueType fonts with Unicode (international) characters and language switching feature

- Makes screen content easy to read by allowing formatting such as bold, italics, underline, scrolling and blinking
- Prevents errors by communicating with users in their native languages
- Reduces development and support by allowing inclusion of up to eight user-selectable languages in a project

Tag Library and address find and replace function

- Simplifies project reuse with similar but not identical controllers

Label Library

- Speeds up screen development by eliminating the need to enter the same text multiple times
- Enables on-the-fly language changes for up to eight languages per project

Library import and export functions

- Reduces errors and speeds up development by eliminating tedious data entry when multiple projects interface with the same devices

Layers, grid, alignment, nudge, space-even and make-same-size tools

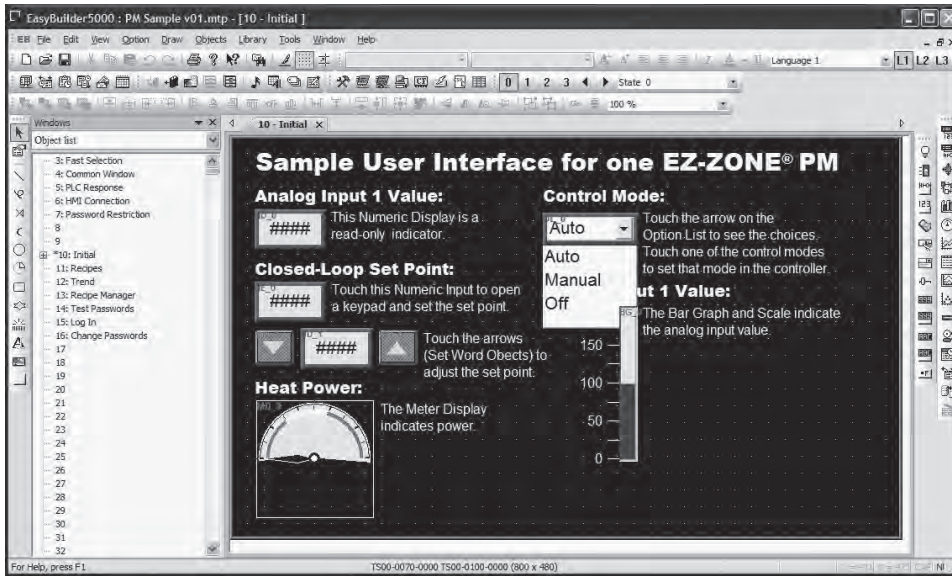
- Speeds up creation of smart looking screens by automatically placing objects aligned on the screen
- Gives user precise control over object placement

Software

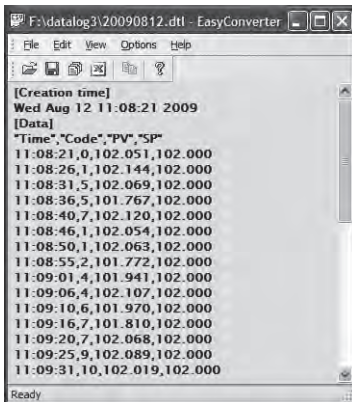
EZware-5000

Software Suite

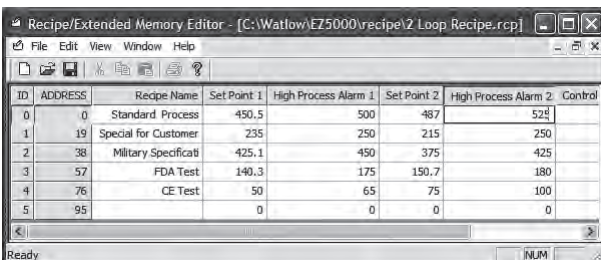
The EZware-5000 software suite includes EasyConverter, EasyBuilder5000, Project Manager and Recipe/Extended Memory Editor programs.



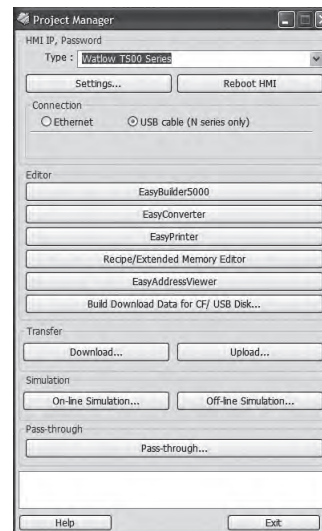
EasyBuilder5000 provides a graphical screen designing environment with point-and-click access to features and drag-and-drop ease.



EasyConverter converts log files saved by the Silver Series OIT to file formats used by popular Windows® software such as Microsoft® Excel.



The Recipe/Extended Memory Editor configures memory files for use with Silver Series OITs and allows offline creation of recipes.



Project Manager uploads and downloads projects to and from the Silver Series OIT, opens compiled projects in simulation and launches the other EZware-5000 programs.

Compatibility

EZware-5000 software can be used to configure Silver Series operator interface terminals as interfaces for Watlow EZ-ZONE controllers and other automation devices

System Requirements

Operating System

- Windows® 7 (32-bit and 64-bit)
- Windows® Vista (32-bit and 64-bit)
- Windows® XP

EZ-ZONE® Configurator

EZ-ZONE® Configurator software allows Watlow® EZ-ZONE products to be configured in one simple process. Its interface is flexible and easier to read than the basic remote user interface (RUI). It operates without requiring purchase of communications options as it uses the standard bus communications protocol that is included with all EZ-ZONE products.

The EZ-ZONE Configurator software is available as a free download at www.watlow.com.

Features and Benefits

Communicates with EZ-ZONE products via standard bus protocol

- Works regardless of which communications option is purchased or even when no communication option is purchased

Detects EZ-ZONE devices and reads up configuration

- Allows easy access to any setting

Presents pages and menus as they are in the controller's display, RUI and manuals

- Enables the user to easily locate what they are looking for

Wizard-style editor with menu explorer

- Allows for easy examination of each menu
- Enables the user to skip directly to the parameters they want to work with

On-screen parameter help

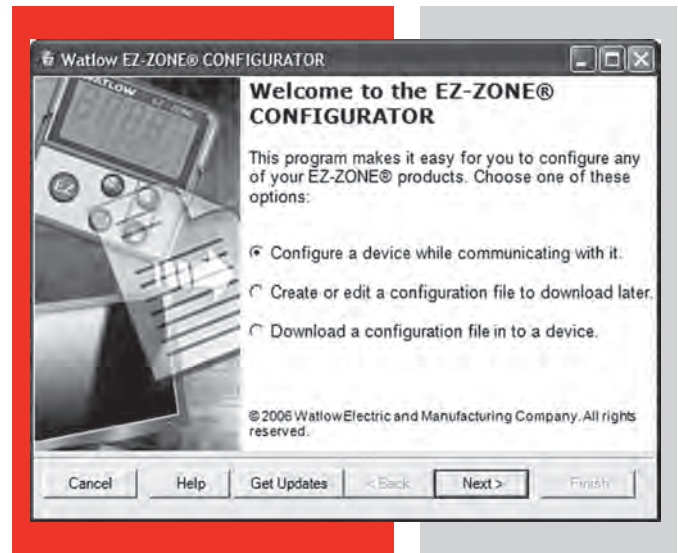
- Reduces configuration errors
- Helps the user take full advantage of available features

Copies parameter settings

- Decreases configuration time especially for multi-loop controllers

Saves configuration files on the computer with all the information required to set up a controller

- Preserves settings to archive and recover or simplify setting up of another EZ-ZONE product
- Enables set up files to be e-mailed or accessed by users on a network or via the Internet



View or modify configuration files saved during on-line editing sessions

- Allows users to get a headstart on setting up EZ-ZONE products
- Aids in supporting remote users

Downloads saved configuration files

- Simplifies setting up EZ-ZONE products

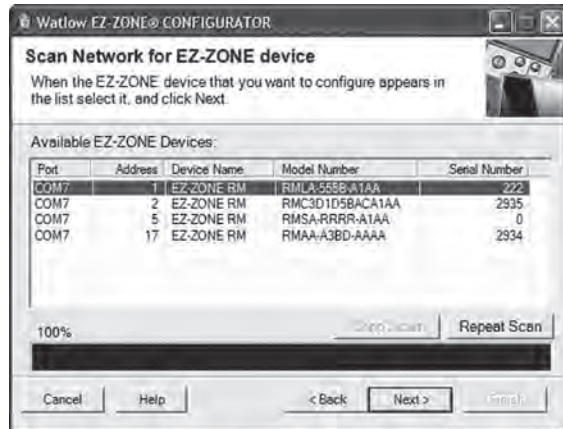
Flexible and smart compatibility checking

- Ensures configuration files are only loaded in to devices with compatible hardware

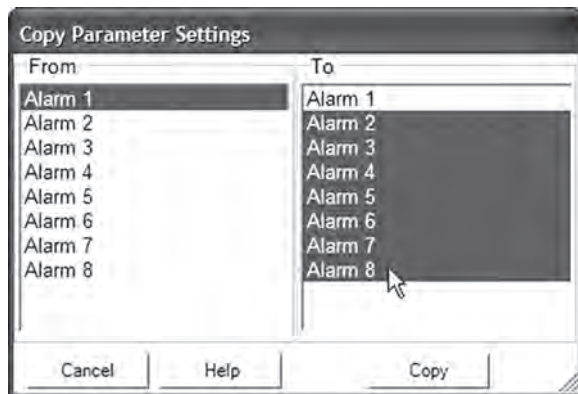
EZ-ZONE Configurator

Technical Data

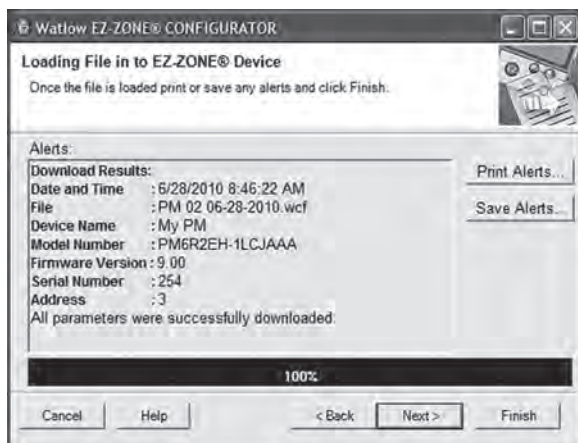
Illustrated Features



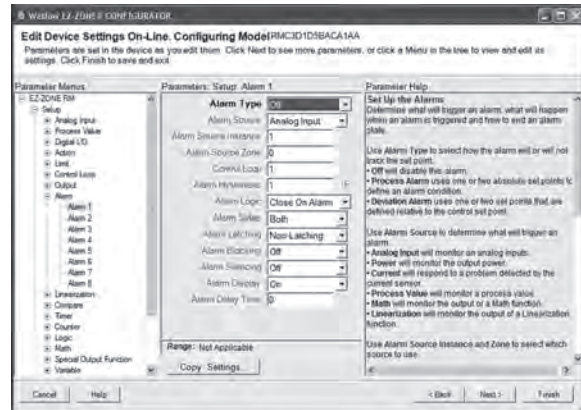
Detects EZ-ZONE devices connected to the computer's communications ports.



Copy feature speeds up configuration.



Confirms that parameter downloads were successful and reports exceptions.



Menu explorer allows users to skip directly to desired parameter or browse each setting.



Saves complete sets of parameter settings for backup, archiving or configuring other devices with the same settings.

Compatibility

EZ-ZONE Configurator software can be used to configure EZ-ZONE products when run on a computer connected to the EZ-ZONE product's standard bus port (EIA 485 also known as RS-485). For most computers a 485 converter is required.

System Requirements

Minimum Requirements

- 485 Communications Port: USB port and USB-to-485 converter, or serial COM port (232) and 232-to-485 converter
- Microprocessor: Pentium® IV or equivalent
- Memory: 128 MB RAM (256 MB recommended)
- Disk Space: 140 MB (100 MB if Microsoft.NET Framework is already installed.)
- Video: 800 x 600 (1024 x 768 or higher recommended)

Operating System Requirements

- Windows® 7 Professional (32-bit and 64-bit)
- Windows® Vista Professional (32-bit and 64-bit)
- Windows® XP Professional (32-bit) with Service Pack 2

Software

EZ-ZONE GSD Editor

The EZ-ZONE GSD Editor software allows users to create custom general station description (GSD) files for configuring communications between EZ-ZONE products and other automation equipment supporting the PROFIBUS DP communications protocol.

The EZ-ZONE GSD software is available for download free of charge at www.watlow.com and on the Controller Support Tools DVD-ROM (part number 0601-0001-0000) included with the related Watlow controllers.

Features and Benefits

Creates and edits GSD files

- Enables configuration of DP-V0 (cyclic) communication between EZ-ZONE devices and a PROFIBUS DP master such as a programmable logic controller (PLC)

Allows users to select just the values they need

- Optimizes PLC memory use by allowing cyclical messages to be configured with desired data only
- Speeds up network by eliminating the transmission of unnecessary data as with fixed, vendor-supplied GSD files

Supports EZ-ZONE PM, RM Access Modules and RUI Gateways

- Makes it easy for PROFIBUS DP users to use EZ-ZONE products in their applications

Presents all the parameters found in supported EZ-ZONE device's menus

- Maximizes flexibility in the design of applications

System Requirements

System Requirements:

- Microprocessor: Pentium IV or equivalent
- Memory: 128 MB RAM (256 MB recommended)
- Disk Space: 140 MB (100 MB if Microsoft.NET Framework is already installed.)
- Video: 1024 x 768 or higher
- Microsoft-compatible pointing device (mouse or trackball)

Operating System Recommended:

- Windows® XP Professional with Service Pack 2



Compatibility

EZ-ZONE GSD Editor software can be used to create and edit GSD files for EZ-ZONE PM controllers with the PROFIBUS DP field communications option and EZ-ZONE ST and PM controllers and RM control systems when connected to an EZ-ZONE RM Access module or EZ-ZONE RUI Gateway with the PROFIBUS DP option.

EZ-ZONE LabVIEW™ Driver

This instrument driver for National Instruments' LabVIEW™ software communicates with Watlow's EZ-ZONE products via the standard bus communications protocol that is included with all EZ-ZONE products.

The LabVIEW™ instrument driver software package, created with LabVIEW™, simplifies development of applications such as test software. These instrument drivers include software functions called LabVIEW™ Virtual Instruments (VIs) that are used with LabVIEW™ to communicate with Watlow products such as the EZ-ZONE PM.

The EZ-ZONE LabVIEW™ instrument driver software is available as a free download from www.watlow.com.

Features and Benefits

Supports access to all EZ-ZONE parameters

- Makes it easy for LabVIEW™ users to use EZ-ZONE products with their programs

Compatible with any EZ-ZONE product configured to communicate via standard bus

- Reduces cost by eliminating the need to purchase optional communications protocols

Features Initialize, Read, Write and Close VIs

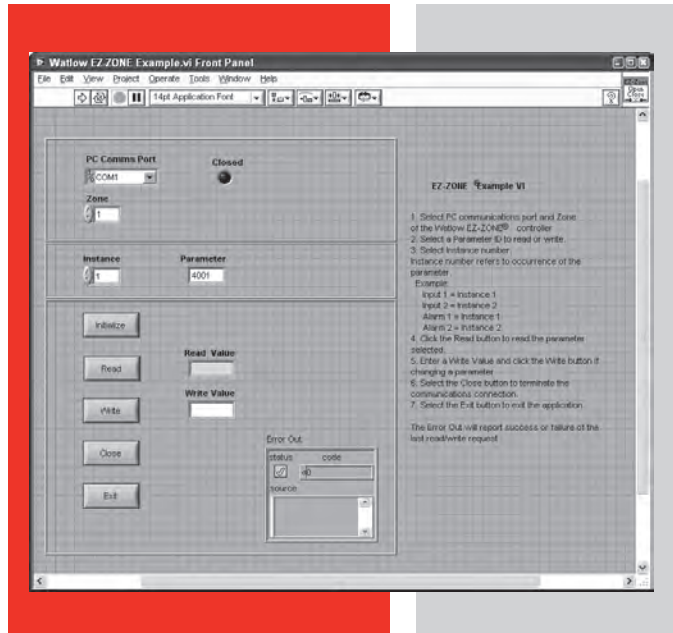
- Speeds development of LabVIEW™ applications

Includes a working example with detailed instructions

- Shortens the learning curve associated with applying a new instrument

Compatibility

The Watlow EZ-ZONE instrument driver is supported by LabVIEW™ versions 8.6 and later.



Software

SpecView HMI Software

SpecView software from Watlow is an easy-to-use Human Machine Interface (HMI) to Watlow controllers, including EZ-ZONE integrated controllers and third-party products. Watlow's single point of support for hardware, software and application needs ensures knowledgeable and expedient response to questions or concerns.

SpecView from Watlow is commercially accepted and price competitive compared with third-party options. Throughout its history, field-proven features and functions have been added based on customer suggestions. SpecView's built-in support and auto-detect for Watlow controllers is an advantage compared to tag-based systems. Since there is no need to learn intricate details about communication protocols, setup is quick and simple.

Process adjustments and machine troubleshooting are easily accomplished using graphed data on trend charts. SpecView from Watlow is designed for industrial needs, including built-in compatibility with bar code readers and touch screens. Customizing displays for specific applications reduces process errors. Flexible features include data logging, an historical replay option, easy-to-use recipes and remote access options.

To try before purchase, SpecView from Watlow is available to download and run in the time-limited demo mode.

Features and Benefits

Watlow EZ-ZONE® Standard Bus communications protocol

- Communicates with any EZ-ZONE product without requiring purchase of a communications option

Built-in support and auto-detect for controllers

- Saves set-up time
- Eliminates the need to learn communications protocols
- Integrates devices from multiple vendors



Flexible data logging and report generator

- Helps users comply with regulatory requirements including AMS 2750D NADCAP
- Reduces labor and increases accuracy by automating data collection for chosen parameters
- Adds data acquisition to existing processes
- Saves time by exporting data to Excel®-compatible spreadsheet files
- Allows data to be grouped in user-defined batches
- Incorporates measurements, operator comments and other information into report formats
- Records operator actions

Easy-to-build, customizable screens

- Allows simple custom screen editing
- Simplifies monitoring and adjusting controller parameters
- Reduces errors by making displays application-specific
- Decreases training time
- Integrates sophisticated third-party elements with an ActiveX container option
- Automates many tasks with user-defined buttons
- Calls attention to specific parameter values with user-set color dynamics
- Allows touch screen compatibility
- Provides bar graphs for 'at-a-glance' monitoring
- Limits access with passwords, if desired

For detailed product and ordering information, see the full SpecView HMI Software product section located on pages 364 through 368.

Software

EHG® SL10 Software

The EHG® SL10 software allows the user to configure, monitor, log and chart data from Watlow's EHG SL10 integrated multi-function controllers. It provides an easy-to-use and centralized interface for multiple EHG SL10 controllers.

This software gives the user the ability to change set points, label devices and much more all with the click of a key.

The EHG SL10 software is available for download free of charge at www.watlow.com and on the Controller Support Tools DVD-ROM (part number 0601-0001-0000) included with the related Watlow controllers.

Features and Benefits

Automatic network detection and configuration

- Simplifies configuring multi-device networks by setting unique addresses in each device as they are added to the network
- Scans for new controllers added to the network

Manual network configuration

- Connects to and monitors existing controller networks

User definable device names

- Speeds up troubleshooting by allowing users to set names for networked controllers that correlate them with heater locations

Monitor mode

- Displays temperature, and color coded alarms and warnings for all networked controllers
- Centralizes monitor function and eliminates time spent checking alarm states at the heater

Network state indicator

- Simplifies and reduces errors when controlling many points
- Shows at a glance if any controller has a warning or alarm condition

Charting

- Improves system operation by allowing engineers and operators to see zone temperature trends in real time

Data logging

- Saves time and effort by eliminating the need to manually record temperatures
- Simplifies troubleshooting by providing a record of zone temperatures

Configure mode

- Simplifies and speeds up changing set points and other control parameters



Password protected setup

- Prevents unauthorized changes to alarm set points, tuning and control settings

Recipe manager

- Speeds up commissioning new devices by allowing saved recipes to be downloaded to multiple controllers
- Reduces data entry errors by saving known good settings

Ping function blinks indicator on selected controller

- Reduces errors by allowing technicians to confirm device identities

Compatibility

EHG SL10 software can be used to configure EHG SL10 controllers when run on a computer connected to the controllers via an EIA 485 (also known as RS-485) network. For most computers a 485 converter is required.

System Requirements

Operating System

- Windows® XP Professional

WATVIEW™ HMI Software

Note: WATVIEW™ is not compatible with Windows® Vista or Windows® 7 and does not support Watlow EZ-ZONE® controllers. Please consider SpecView for your HMI software needs.

WATVIEW is Watlow's Human/Machine Interface (HMI) software for older Watlow controllers. WATVIEW features easy controller setup, recipe and alarm managers, data-logging and trend plot graphing

WATVIEW is available in three editions:

- **Run-Time Edition**—for operating controllers
- **Developer Edition**—creates custom screens
- **Configurator Edition**—available free of charge for setting up controllers at www.watlow.com

Note: See the Edition Comparison Table on the next page for details about which features are in each edition.

Features and Benefits

Easy program setup

- Scans all available communications ports and baud rates for supported controllers
- Detects which controllers are connected to the computer
- Automatically configures with appropriate setup screens and help files for detected controllers

Controller specific setup and spreadsheet overview screens

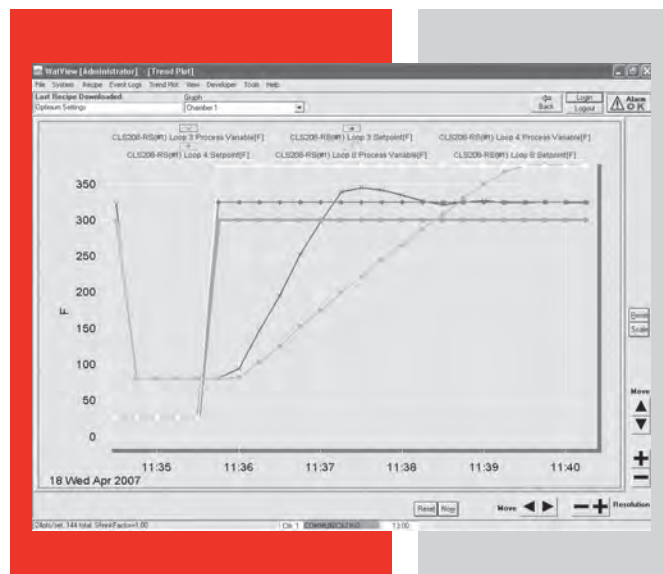
- Simplify monitoring and adjusting controller parameters
- Display settings for multiple channels and controllers
- Present parameters according to controller's menus

Recipe manager

- Stores commonly used controller settings
- Speeds up repetitive controller setups
- Backs up “snapshot” of your settings against data loss

Calendar-start function

- Automates processes by downloading recipes automatically in a one-time or repeating schedule



Alarm manager

- Makes alarms easier to understand with customizable, plain text messages
- Aids in troubleshooting by time stamping and logging alarms
- Streamlines alarm management by allowing monitoring, acknowledging and clearing alarms for multiple controllers

Data-logging and trend plot graphs

- Reduce labor and increase accuracy by automating data collection for the parameters you choose
- Save time by exporting data to Excel®-compatible spreadsheet files
- Simplify process adjustments and troubleshooting by graphing up to 20 data items together on a graph
- Provide flexibility by allowing users to name, save and choose for display from any number of graphs

For detailed product and ordering information, see the full WATVIEW HMI Software product section located on pages 370 through 371.