

# EXLW OCS

Enhanced Screen, Faster Logic,  
Unprecedented Capabilities

The 7" OCS controller is now faster than ever with improved logic, higher screen resolution, and proven performance.



## Building Automation

- Improve occupant comfort
- Economical operation systems
- Reduce energy consumption

## Material Handling

- Minimize HMI inefficiencies
- Track/log/catalog data
- Increase overall productivity

## Oil and Gas

- Maximize capacity utilization
- Rationalize assets
- Maintain emission standards

## Renewable Energy

- Data logging, remote access
- Sunlight and UV protection
- Durable, robust controllers

## Water/Wastewater

- Operate chlorination systems
- Station pump control
- Remote water well controls

## 7" Color Touchscreen

The new EXLW was engineered to incorporate intuitive functionalities and innovative features as previous models of our XL series of OCS controllers. The EXLW LCD TFT display is full color with VGA resolution and provides virtually instantaneous updates. Low-temperature options are available as an add-on feature.

## Full Ethernet Built into Every Unit

The EXLW model has built-in 100Mbps Ethernet. The EXLW Ethernet support includes an integrated Web Server, FTP Host, Email, Modbus/TCP Master/Slave, Programming, and much more.

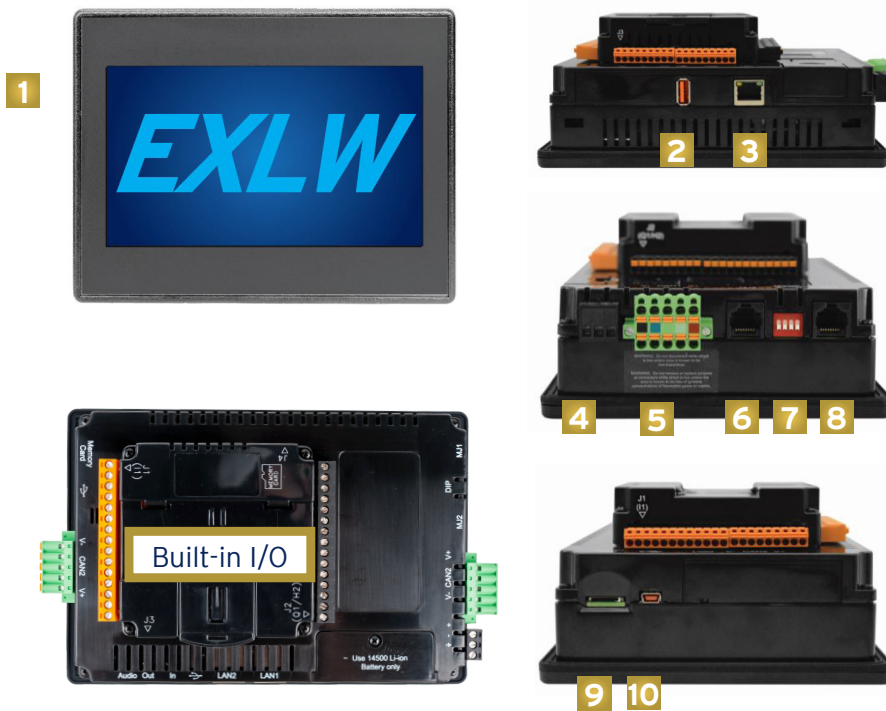
## Online Programming & High-Speed USB 2.0

The EXLW includes two USB 2.0 ports; host port and an on-the-go port. The Host Port allows connection of removable FLASH drives, supporting drives up to 2TB. EXLW Online Programming allows the logic program to be modified on-the-fly without entering stop mode.

## Advanced High Speed Counter (>500kHz)

The channel High-Speed Counter accepts frequencies exceeding 500kHz, supporting a variety of modes including Totalizing, Quadrature, Pulse Measurement, Frequency Counting and Setpoint Controlled Outputs.

# SPECIFICATIONS AND TECHNICAL INFORMATION



## PHYSICAL CHARACTERISTICS

- 1 Touchscreen
- 2 USB 2.0 "A": Flash Drive
- 3 LAN Port
- 4 PWR: 10-30VDC In
- 5 CAN Port
- 6 MJ3: RS-232/485
- 7 Dip Switches
- 8 MJ1/MJ2: RJ45 Serial Port t
- 9 MicroSD: Data Storage
- 10 USB mini "B": Programming

## CONTROLLER

CPU	Single Core Arm
Logic Scan Rate	0.04 mS/kB
Built-In Storage	128MB
Removable Memory	microSD
Retentive Storage	256kB
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

## USER INTERFACE

Display Type	7" TFT Color
Resolution / Color	800 x 480

## CONNECTIVITY

Serial Ports	3 with RS-232 and RS-485
USB Ports (A and Mini-B)	1 Host, 1 Programming
Ethernet	Single 10/100 Support with Auto MDIX Support
CAN	1 Port 125kb - 1Mb

## I/O MODELS

HE-EXLWE0	No Built-in I/O
HE-EXLWE2	12 DC in, 6 Relay Out, 4 - 12-bit Analog In
HE-EXLWE3	12 DC in, 12 DC Out, 2 - 12-bit Analog In
HE-EXLWE4	24 DC in, 16 DC Out, 2 - 12-bit Analog In
HE-EXLWE5	12 DC in, 12 DC Out, 2 - 14/16-bit Analog In (mA/V/Tc/mV/RTD), 2 - 12-bit Analog Out
HE-EXLWE6	12 DC in, 12 DC Out, 6 - 14/17-bit Analog In (mA/V/Tc/mV/RTD), 4 - 12-bit Analog Out
Remote I/O	All Models Support SmartRail, SmartBlock, SmartStix, SmartMod, various 3rd party I/O devices

## OPERATING SPECS. & STANDARDS

Primary Power Range	10-30VDC
Operating Temperature	-10° to 60°C
Humidity (non-condensing)	5 to 95%
Ratings	IP65, UL Type 1, 3R, 4, 4x, 12, 12k, 13

## PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	mm: 186.1 x 143.8 x 77 in: 7.326 x 5.66 x 3.03
Weight	1.58 lbs or 721.2 g