

# ControlWave® Process Automation Control System

## Features

- Process automation control system
- Powerful processors provide unparalleled performance
- IEC 61131-3 programming
- Popular ACCOL programming extensions
- Up to three 100/10 MB Ethernet ports
- Ethernet remote I/O
- Multiple serial communication ports for serial connectivity
- Distributed alarm and historical database
- FTP server
- Full redundant control capability
- Wide temperature range (-40 to +70°C)
- Class I, Div. 2 hazardous location and CE approval



Specializing in water/wastewater, oil and gas, and industrial control applications, the ControlWave® Process Automation Control System, from Emerson Process Automation, is a high-performance hybrid PLC/RTU designed to meet the demanding requirements of the industrial control industry. ControlWave is available with a wide variety of mounting, CPU/memory, I/O, and communication capabilities. For most in-plant systems, ControlWave PAC, with up to three Ethernet ports, offers proven performance for LAN based plant networks. For SCADA applications, ControlWave Micro and Express provides a low power RTU solution and up to eleven serial communication ports.

Engineers will appreciate the ControlWave Designer with ACCOL III programming software. Its conformance to the IEC61131-3 programming standard enables them to quickly start projects, re-use existing code, and simplify maintenance in the long term. All five IEC languages are supported, as well as multitasking of up to 100 simultaneous programs. In addition to the basic functions and function blocks, ControlWave Designer brings the benefit of over 20 years of SCADA and plant control experience in Emerson's ACCOL III function block library.

ACCOL III empowers the programmer with over sixty ready-to-use process control function blocks valuable for use in oil and gas, water and waste, and process measurement and control applications.

ControlWave also provides local historical data storage and alarming with time stamps to ensure the integrity of all data in the event of an interruption in network communication.

ControlWave has been designed around open standards to enable the engineer to employ familiar technologies to maximize system flexibility and expansion. With Emerson's OpenBSI communications interface and Active X controls, you can even build a local HMI or use the OPC Server to provide data to any OPC-compliant PC-based HMI.

The ControlWave Micro conveniently combines the speed and programming power of a PLC with the low current draw and flexible communications of an RTU and the modern features of an Internet server. ControlWave is truly the most the most versatile SCADA and control system available.

# Find us around the corner or around the world

For a complete list of locations please visit us at [www.EmersonProcess.com/Remote](http://www.EmersonProcess.com/Remote)



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