ControlWave™ Micro Hybrid RTU/PLC

Features

- High-speed ARM 9-based processor
- Very low power consumption
- IEC 61131-3 programming with ACCOL III
- Multiple protocol support
- Single and dual 10/100 Mbps Ethernet port
- Up to 11 serial communication ports
- Built-in modem and radio
- Onboard alarm and historical database
- FTP server
- Wide temperature range (-40°C to +70°C / -40°F to +158°F)
- Rated for Class I, Div. 2 Groups A, B, C, and D areas

Specializing in oil and gas, water and wastewater, and industrial control applications, the ControlWave™ Micro Hybrid RTU/PLC from Emerson offers outstanding performance and flexibility. This controller is designed to exceed the stringent requirements for any industrial control application. Drawing only 1.2 watts of power and boasting a broad environmental specification, this RTU can be installed in the most remote and inhospitable locations for control and SCADA applications. It can even be expanded with up to 14 local I/O cards and multiple I/O expansion chassis for larger applications – showing its extreme flexibility and scalability.

Engineers will appreciate the ControlWave Designer ACCOL III programming software that offers over 60 function blocks. 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 60 ready-to-use process control function blocks valuable for use in oil and gas, water and wastewater, 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.

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Remote Automation Solutions

Global Headquarters
North America and Latin America
Emerson Automation Solutions
Remote Automation Solutions
6005 Rogerdale Road
Houston, TX, USA 77072
T +1 281 879 2699
F +1 281 988 4445

www.Emerson.com/RemoteAutomation

Europe
Emerson Automation Solutions
Remote Automation Solutions
Unit 1, Waterfront Business Park
Dudley Road, Brierley Hill
Dudley, UK DY5 1LX
T +44 1384 487200
F +44 1384 487258

Middle East and Africa
Emerson Automation Solutions
Remote Automation Solutions
Emerson FZE
PO Box 17033
Jebel Ali Free Zone - South 2
Dubai, UAE
T +971 4 8118100
F +971 4 8865465

Asia Pacific
Emerson Automation Solutions
Remote Automation Solutions
3A International Business Park
#11-10/18, Icon@IBP, Tower B
Singapore 609935
T +65 6777 8211
F +65 6777 0947

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