

ControlWave® Micro



Features

- RTU/PLC Hybrid
- High Speed ARM 9 based processor
- Very low power consumption
- IEC 61131-3 programming with ACCOL 3
- Multiple protocol support
- 10/100 Mbps Ethernet port
- Up to eleven serial communication ports
- Built-in Modem and Radio
- Onboard Alarm & Historical database
- FTP server
- Wide temperature range (-40 to +70°C)
- Install in Class I, Div. 2 Groups A, B, C & D areas

Specializing in oil & gas, water & wastewater, and industrial control applications, the **ControlWave** Micro Process Automation Controller is the most compact of the **ControlWave** family of high performance PLC/RTU hybrids. This controller is designed to exceed the stringent requirements for any industrial control application. Drawing only 1.2W, and boasting a broad environmental specification, this RTU can be installed in the most remote and inhospitable locations for control and SCADA applications year in and year out. It can even be expanded out to a full 19" rack with up to 14 I/O cards for the larger applications – showing its extreme flexibility and scalability.

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 twenty years of SCADA and plant control experience in Bristol Babcock'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 & gas, water & waste and process measurement & 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 Bristol Babcock'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 of a PLC, the programming power of a DCS, 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.

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