

Bristol® ControlWave® I/O Expansion Racks

Features

- 2,4, or 8 I/O Slot Chassis
- Supports all ControlWave I/O Modules
- Hot Swap I/O Replacement in ControlWave® PAC
- 10/100 Base T Ethernet Communication Interface
- RS-232 and RS-485 Serial Ports
- Internal Loop Powered I/O Available
- 24 VDC Power
- Wide Temperature range (-40 to +70 deg. C)
- Class 1, Div 2 Hazardous Location and CE Approval

Bristol® ControlWave® PAC and Micro I/O Expansion Racks, from Emerson Process Management, allow for expansion of I/O up to and including total plant wide control consisting of hundreds of I/O points. The process control application resides in the main ControlWave process controller. It controls both local I/O as well as the I/O in the expansion racks. No control functionality is required in the I/O expansion rack.

The ControlWave I/O Expansion Racks consist of a 2,4, or 8 slot Chassis. The chassis contains an Ethernet communications engine dedicated to communications between the main processor and the expansion I/O. the communication engine also supports timing functionality and battery backed RAM to retain out-



puts during short power outages. The ControlWave I/O Expansion Racks are connected to the main or host ControlWave CPU via an Ethernet link. Ethernet is widely accepted as a networking standard physical data link that allows the ControlWave I/O Expansion Rack to fit into any local or wide area Ethernet based network, thereby increasing flexibility and providing an economical, reliable, I/O system.

All I/O Expansion Racks are compatible throughout the ControlWave product family allowing cost effective remote I/O expansion for any ControlWave base controller.

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