CBX-8R8

PRODUCT FEATURES

DESCRIPTION

The CBX-8R8 is a fully programmable BTL-listed BACnet Advanced Application Controller (B-AAC) that communicates on an RS-485 local area network using the BACnet MS/TP protocol.

This controller provides **8 UniPuts™ with Relay and 8 Universal Inputs** as well as support for up to three FLX (Field Level eXpansion) series extension modules providing up to 64 points of control.

The CBX-8R8 is designed for a wide range of applications for intelligent control of HVAC equipment, lighting control and electrical systems including metering applications.

APPLICATION

The CBX-8R8 is suitable for controlling various equipment such as; air handling units, boilers, chillers, cooling towers, pump systems, central plant equipment, variable frequency drives, lighting control and metering. The controller supports **multi-protocol communications** simultaneously including BACnet MS/TP and Modbus RTU.

The **fully programmable** CBX-8R8 can be tailored to meet a variety of applications by creating and modifying strategies using Cylon's Engineering Center programming interface.

CBX-8R8

> **8 UniPuts™ + Relays**
> hardware connections that can be used as inputs, outputs or relays (software selectable)
> **8 Universal Inputs**

Field Level eXpansion Modules

FLX-8R8
> 8 UniPuts™ with Relay
> 8 Universal Inputs

FLX-8R8-H
> 8 UniPuts™ with Relay
> 8 Universal Inputs
> Hand/Off/Auto Local Override Function

Support for Cylon smart thermostat bus

LED status on all I/O channels provides indication of fault or override status

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Compact form factor to maximize enclosure space

Easy module expansion using simple bus connectors

Up to 64 Trendlogs, 1024 entries per Trendlog

KEY FEATURES

Compact Form Factor to Maximize Enclosure Space

Modular Hardware Design for Quick & Easy Installation

Manually Configurable for Post Installation Checks & Testing

Flexibility with UniPuts™

8 UniPuts™ with Relay and 8 Universal Inputs as well as support for up to three FLX (Field Level eXpansion) series extension modules providing up to 64 points of control.

The CBX-8R8 features Cylon's patented UniPut™ technology which allows the physical I/O point to be configured as either an output or input, analog or digital.

The CBX controller communicates with BACnet, Modbus unitary equipment, CBT-STAT (smart room display with setpoint adjustment) and FLX expansion modules through the I/O bus reducing the spares requirement.

Reduce Time On-Site

Pre-configuring of the FLX expansion module via the FLX dip switch addressing facility, reduces on-site installation time, simplifies setup and system checks, and reduces the skill level for hardware upgrade or expansion.

Flexibility to Expand

Replace or Extend I/O points quickly and easily. Extending I/O points with FLX modules has been designed as a very efficient process.

FLX Modules snap together without the need for the System Integrator to prepare special cabling. However, when necessary, a cable can be used to extend the FLX modules a total distance of 30 meters (100 feet) from the CBX controller.

I/O bus / power connection is achieved through a single plug connector, simplifying the installation process and eliminating the possibility of misconnection between components of a CBX system trunk.

BACnet Controller of Choice

Cylon BACnet controllers are BTL listed and offer unparalleled performance and flexibility on an open platform.

Reduced Diagnostic Time

Tool free diagnostics to facilitate instant identification of wiring faults.

Status LEDs are included for all I/O points. The LEDs instantaneously provide visual diagnostic and error status for each connected system point reducing problem solving time.

Manual over-ride of UniPuts™ enable easy configuration, quick commissioning and post installation testing without the need to connect to Engineering Centre. Hand / Off / Auto local over-ride function (Available for FLX UniPuts™).

Cost Effective Solution

CBX range with its ease of pre-configuration, simplicity of installation and expansion, and quick on module diagnostics means less time spent on installation and maintenance, delivering a cost effective energy management solution.

Are you ready to know more about why the CBX range of controllers is the flexible energy management system you've been looking for?

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