



B24

Programmable DDC Controller

The OPEN General B24 BACnet programmable controller is a native BACnet, universal stand alone direct digital controller specifically designed for use in a multitude array of building automation and energy management applications.

NATIVE BACNET COMMUNICATIONS

The building automation system controller communicates native RS485 MS/TP BACnet field bus protocol compatible to the latest ANSI/ASHRAE 135.1 Standard. As a native BACnet controller, The OPEN General B24 programmable DDC controller has the capability to communicate amongst other vendors BACnet compliant DDC hardware on the same MS/TP field bus.

INPUT/OUTPUT DENSITY

The OPEN General B24 delivers high performance dense Input/Output capabilities.

Universal Inputs	6
Digital Inputs	6
Analogue Outputs	6
Digital Outputs	

FLASH MEMORY

The OPEN General B24 controllers operating system and application programs are stored in flash memory. Flash memory technology permanently burns the memory image into the silicon of the chip very much like a USB memory stick. With flash memory technology battery backup is no longer required for the controller because when the controller loses power memory is still retained. In addition to this, Flash memory technology allows easy installation of the latest controller operating system and application programs via remote download from the main operator workstation.

HIGH LEVEL INTERFACE COMMUNICATIONS PORTS

The OPEN General B24 controller is equipped with two on board high level interface communication ports that enable data transfer between other vendors products such as chillers, fire alarm panels, electricity meters, lifts/elevators and any other types of similar equipment. The data transfer communications media link supported is RS485.

USB COMMUNICATIONS PORT

The OPEN General B24 controller is equipped with a USB port that will allow direct connection to the OpenXpress GUI.

FEATURES

- * BTL Certified
- * Universal Power Supply Range (18-36 VDC, 24VAC)
- * On Board Real Time Clock
- * Powerful dual microprocessor design
- * Flash memory programmability
- * Input/Output expansion bus
- * Three Communication Ports
 - RS485 BACNet MSTP
 - USB BACNet MSTP
 - RS485 High Level Interface communications port (B24)
- * Fully programmable using OpenWare programming language. The powerful OpenWare programming language allows the controllers operation to be customised to suit any Building Automation System applications like Chiller sequencing, Air Handling Units, Package Units, Fan Coil Units, VAV's etc
- * On board BACnet node hardware switches allows easy manual address selection without the need of any software programs. Controller address can thus be easily configured and connected to other third party BACnet systems.

