

Field Control Layer Device

BACnet Application Specific Controller

DSC24000B

【Description】

The DSC24000B is an advanced, programmable, standalone logic controller that complies with the BTL B-ASC protocol specifications. It is designed for monitor and control building electromechanical device, large AHU, clean room, fume hood, large-scale end device control. It uses 32-bit microprocessor core, communication speed up to 76,800 BPS, transmission distance up to 1,200 meters. DSC24000B has 24 Binary Inputs (BI). DSC24000B conforms to international BACnet MS/TP communication protocol, and fully compatible with any BACnet system. It is absolutely the best product for your building.



【Features】

- Produced in accordance with the BTL B-ASC protocol specifications.
- MS/TP (Master-Slave/Token-Passing) communication interface connect to the upper layer, global controller.
- Binary input (BI) has 5,000Vrms optical coupling isolates capabilities and status indicator design.
- The user's control program can be downloaded, online edited and saved in flash memory of the controller.
- Carry out calculations such as proportional, integral, differential, floating, logic, arithmetic and etc.
- 100 Binary Value (BV) and 100 Analog Value (AV) points, the analog value adopts high precision floating-point calculation.
- Priority control array by 16 for all BO, AO and BV.
- Provide power failure backup functions for all AI/BO/AO/BV/AV values keep in FRAM for at least 10 years.

【Specification】

| Model | BI Points | AI Points | BO Points | AO Points | BV Points | AV Points |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DSC24000B | 24 | 0 | 0 | 0 | 100 | 100 |

Power Supply : 24VDC/AC, 3VA.

Microprocessor : 32-bit high performance MCU, 20K RAM, 8K FRAM, and 128K Flash memory.

Binary Input (BI) : 12VDC detection voltage, 5,000Vrms optical coupling isolate, selectable dry contact or open collector signal.

MS/TP Port : 2-wire MS/TP RS-485 bus, communication speed up to 76,800 BPS auto select, max. distance 1,200 meters.

Auxiliary Power : Provide 24VDC/160mA power supply for external transmitter.

Environment : 0~50°C, 5~95%RH, non-condensing

Certification : CE certified and compliant with the BTL B-ASC protocol specifications and RoHS

