

BACnet Field Control Device

Digital Programmable Controller

DACB

【Description】

DACB is a standalone BACnet B-AAC class programmable controller. It is designed for monitor and control building electromechanical device, large AHU, clean room, fume hood, large-scale end device control. It has a 32 bit microprocessor and works with the EIM I/O extension modules. Its EIM port can connect 12 EIM modules. Total number of I/O points can be selected by using different combination of EIM. DACB has an user interface device port. The MSnet port can connect to a LCD control panel for user control and monitor the system. DACB conforms international BACnet MS/TP communication protocol and fully compatible with any BACnet system.



【Features】

- Conforms to ASHRAE and ISO16484-1 defined BACnet AAC standard communication protocol, compatible with BACnet system.
- One MS/TP Master-Slave/Token- Passing port, peer-to-peer master/slave communication.
- One MSnet port is selectable to communicator with MODBUS RTU Master or Slave device, or connected to operation panel MST20V or DSP20U.
- The EIM port can connect up to 12 EIM I/O expansion modules.
- Carry out calculations such as proportional, integral, differential, floating, logic, arithmetic and etc.
- 150 BV and 150 AV points.
- Real-time clock, 2 Calendars, 12 Schedules, 4 Notification Class, 20 Event Enrollments standard BACnet object. Schedules and event enrollments support external object access function.
- Provide power failure backup function for all AI/BO/AO/BV/AV values keep in FRAM for at least 10 years.
- The analog value adopts high precision floating-point calculation.
- Priority control array by 16 for all BO, AO and BV.
- User's control program can be downloaded, online edited and saved in flash memory of the controller.
- Slide track design for space-saving and easy installation

【Specification】

Model	Total EIM	Maximum Available Points					Optional
		BI	PI	AI	BO	AO	
DACB	12	96	96	96	48	48	MST20V or DSP20U LCD display panel is available for extra order

Power Supply : 24VAC/VDC, 2VA

Microprocessor : 32-bit high performance MCU, 64K RAM, 32K FRAM and 384K Flash memory.

MS/TP Port : One MS/TP RS-485 port, communication speed 9,600/ 19,200/ 38,400/ 76,800 bps, auto select, 2500Vrms electrical isolated protection and TVS ARRAY surge protection.

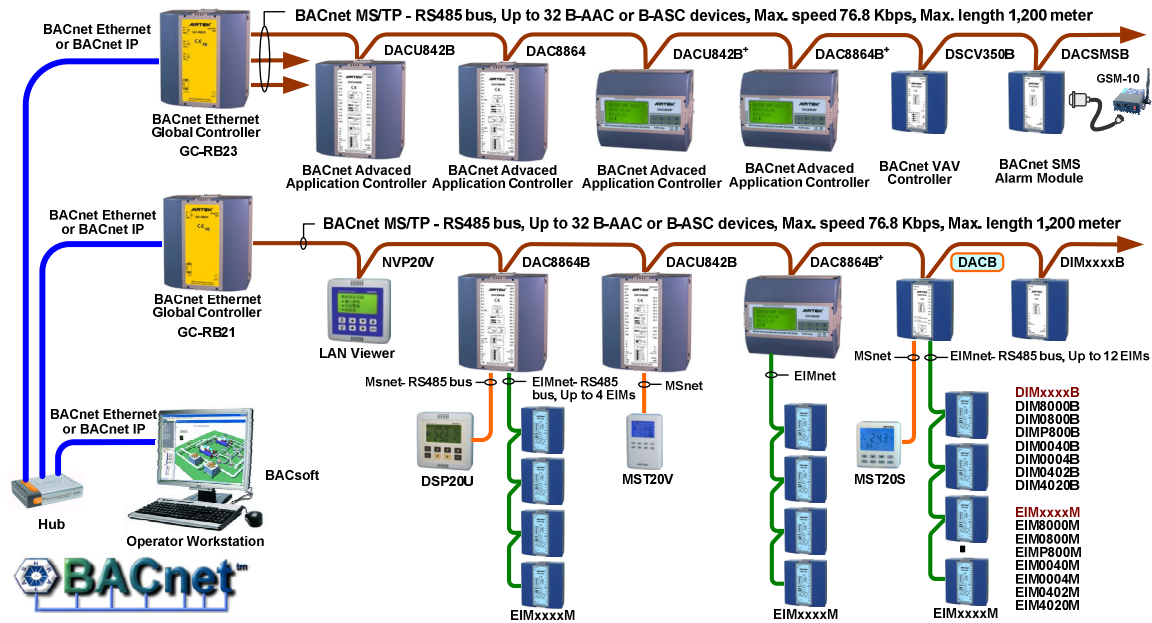
MSnet Port : One MSnet MODBUS RTU RS-485 port, communication speed 9,600/ 19,200/ 38,400bps, adjustable. It works with master or slave device or control panel MST20V or DSP20U.

EIM Port : One Airtek RS-485 port, communication speed 38,400bps, works with 12 EIM I/O expansion modules.

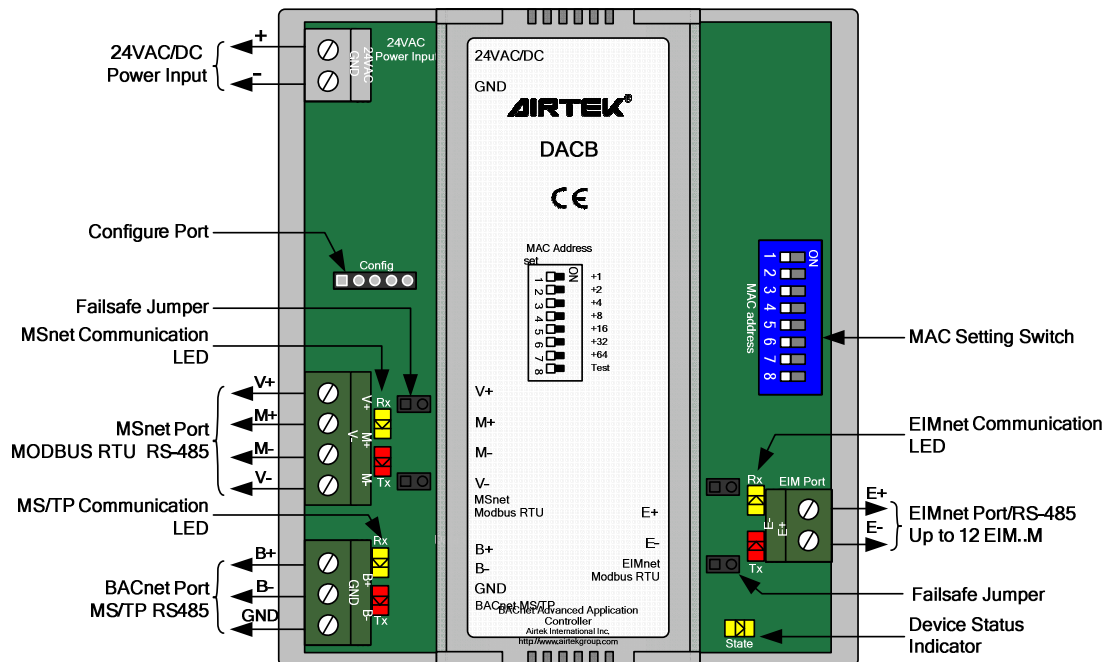
Envirenment : 0~70℃, 0~95%RH, non-condensing

Certification : EMC Directive 89/336/EEC (European CE Mark).

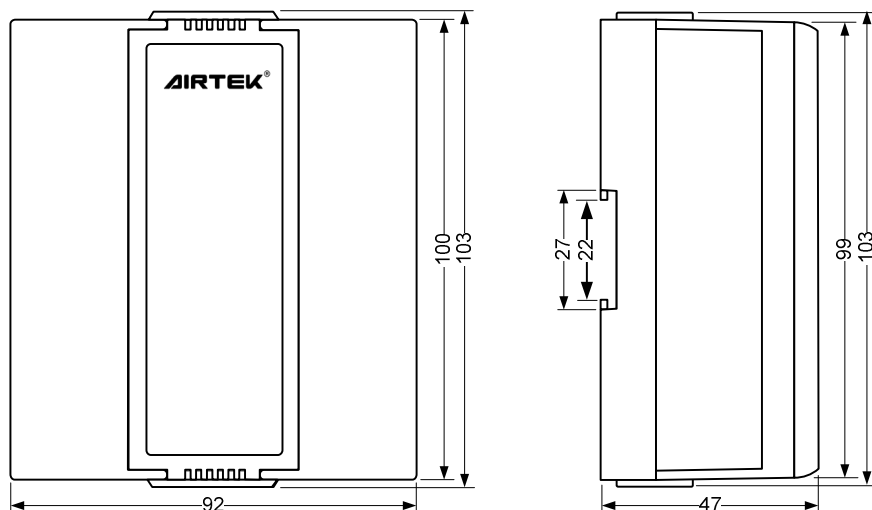
【Network】



【Wiring】



【Dimension】 Unit : mm



Please refer to <http://www.airtek.com.au> for the most recent updated information.