

BACnet Integration Device

GC-RB01

BACnet Ethernet Global Controller (Bacnet IP – MSTP)

【Description】

GC-RB01 is Stand Alone controller (B-BC) with router function (no I/O). It can allow access between workstation and Bacnet MSTP controllers as well as providing a supervisory role to any other Bacnet device. There is one 100M Bases-TX Ethernet port BACnet Ethernet or BACnet/IP and one BACnet MSTP port for Lan communications. Inbuilt standard programmable logic functions and BACnet object functions such as calendar, schedule, notification class, event enrollment, trend-logs etc.



【Features】

- Conforms to BACnet MS/TP, BACnet Ethernet ISO-8802-2, BACnet/IP protocol. BTL approved.
- Use 32-bit microprocessor, frequency 55MHz.
- 128K RAM /512KB Flash, 32K FRAM for power failure memory.
- B-BC level standard BACnet compliant controller plus network router function.
- Ethernet communication interface can be either BACnet Ethernet(ISO-8802-2) or the BACnet/IP communication protocol.
- MS/TP RS-485 communication interface, communication speed from 9.6 to 76.8 Kbps adjustable (Auto/Man), transmission distance 1,200 meters, up to 16 DAC or DSC controllers can be connected.
- Each MS/TP port has 2500Vrms optical coupling isolator and TVS ARRAY surge protection.
- RS-232 connection for initial device parameters (Using a Terminal program such as HyperTerminal).
- On-line editing (does not affect other devices on the network), real-time program debugging function.
- Operation functions of proportional, integration, differential, floating, logic, mathematic, enthalpy and dew point etc. Program executes cycle time 1 second.
- Real-time clock, 2 Calendars, 20 Schedules, 4 Notification Class, 40 Event Enrollments, 24 Trend-logs, standard BACnet object. Schedules and event enrollments support external object access.
- Possessed 150 analog value (AV) points, 150 binary value (BV) points (BV points have 16 priority arrays).

【Specification】

Model	DDC QT'Y	Calendars	Schedules	Notification	Event	Trend-logs	BV Points	AV Points
GC-RB01	16	2	20	4	40	24	150	150

Power Supply : 24VAC/DC, 5VA.

Microprocessor : 32-bit high performance microprocessor with 128K RAM and 512K Flash memory.
and 32K FRAM as power failure memory.

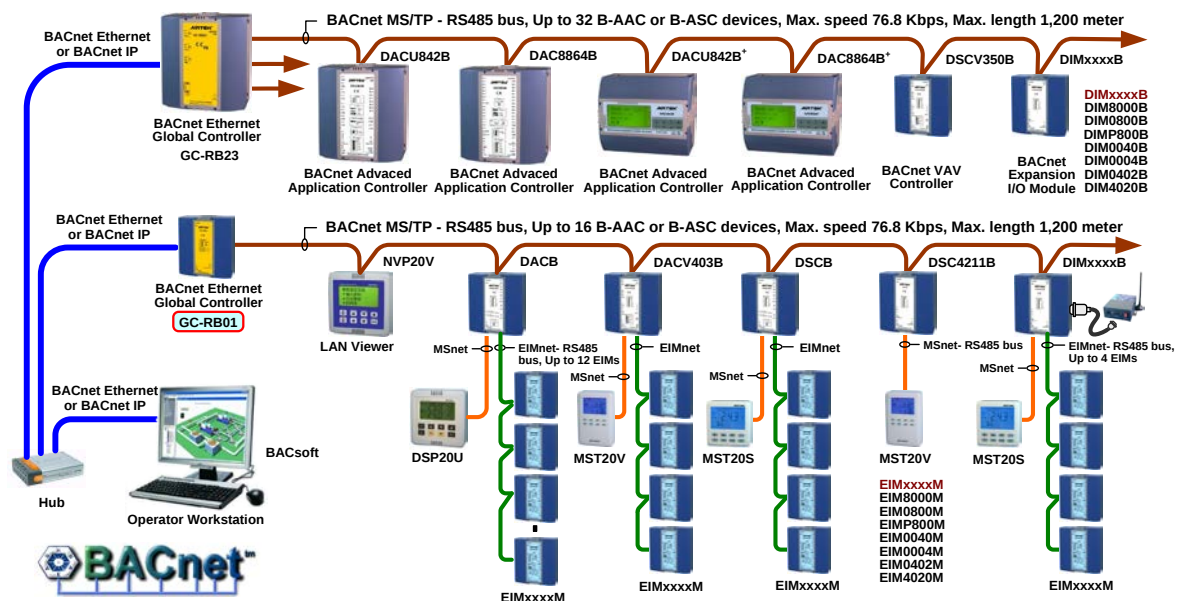
Ethernet Port : 10/100M Ethernet port with BACnet Ethernet(ISO-8802-3) or BACnet IP communication protocol.

MS/TP Port : MS/TP RS-485 bus with 2500Vrms optical coupling isolator and TVS ARRAY surge protection, communication speed 9,600/19,200/38,400 76,800 bps, adjustable, max. length 1,200 meters, up to 16 DDCs can be connect.

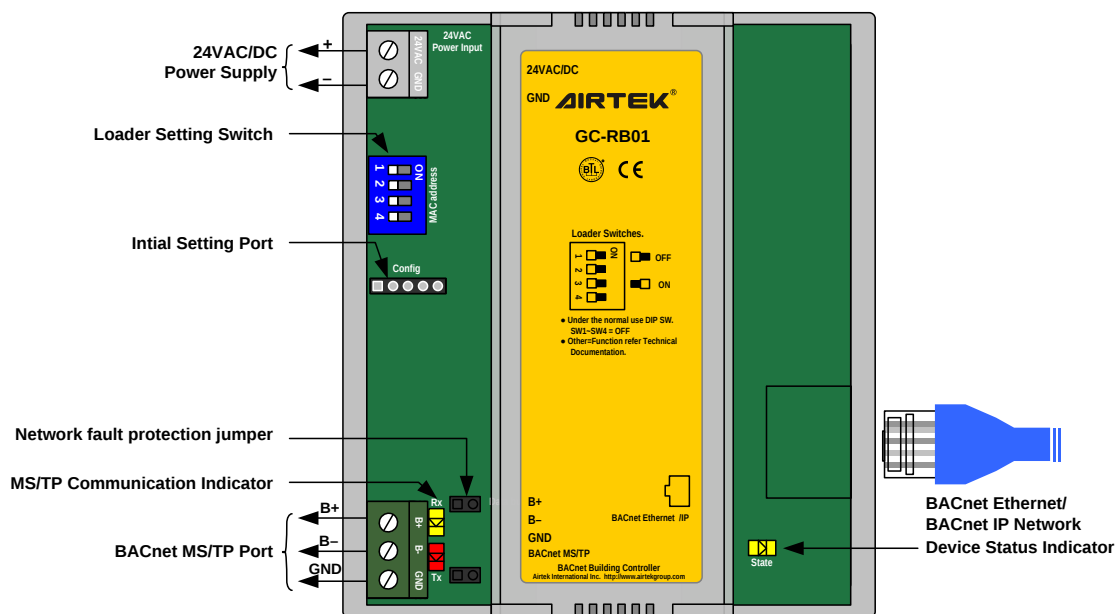
Clock : A gold capacitor to back up clock for 48 hours after power failure.

Environment : 0~70°C , 0~95%RH, non-condense.

Certificate : BTL, EMC Directive 89/336/EEC (European CE Mark) UL.

【Network】

【Wiring】



【Dimension】 Unit : mm

