

BACnet Integration Level Device

BACnet Ethernet Router

GC-RT12

【Description】

GC-RT12 is a B-BC class BACnet LAN communication integration controller. It has router function. Operate independently. The GC-RT12 has two network communication abilities. For upper level, it can link to a 100 Bases-TX BACnet Ethernet with selectable either the BACnet Ethernet (ISO-8802-2) or the BACnet/IP communication method. For lower level, it can link to two network of BACnet MS/TP, the MS/TP network can link up to 32 controllers. Communication speed can reach 76,800 BPS. GC-RT12 is programmable. GC-RT12 device is in conformity with international BACnet network communication and fully compatible with any brand BACnet system.



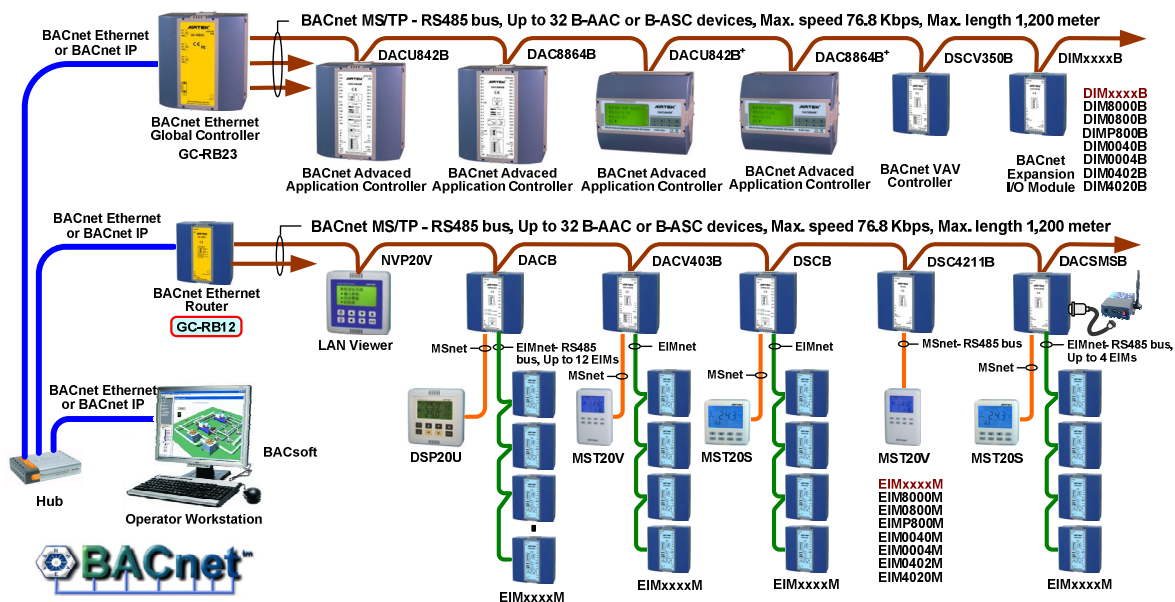
【Features】

- In conformity with BACnet MS/TP, BACnet Ethernet ISO-8802-2, BACnet/IP protocol formulated by ASHRAE fully compatible with any BACnet system.
- Use 32-bit high performance MCU.
- A 100 M Ethernet port for BACnet Ethernet(ISO-8802-2) or the BACnet/IP network connection.
- Two MS/TP (Master-Slave / Token Passing) ports, with peer-to-peer communication. Transmission speed up to 76,800 bps. 2500Vrms electrical isolated protection and TVS ARRAY surge protection.
- Operation functions of proportional, integration, differential, floating, logic, mathematic, and subroutine functions.
- Possessed 150 analog value (AV) points, 150 binary value (BV) points. The BV points have the priority function.
- Both BV and AV points have power failure memory. Data will be save in FRAM and keep for more than 10 years.
- These AV points are doing floating point operation. It provides high accuracy and number size. It makes the ratio multiplication in a program or a display unnecessary.
- On-line edited, downloaded the logic program as well as real-time program debugging function.

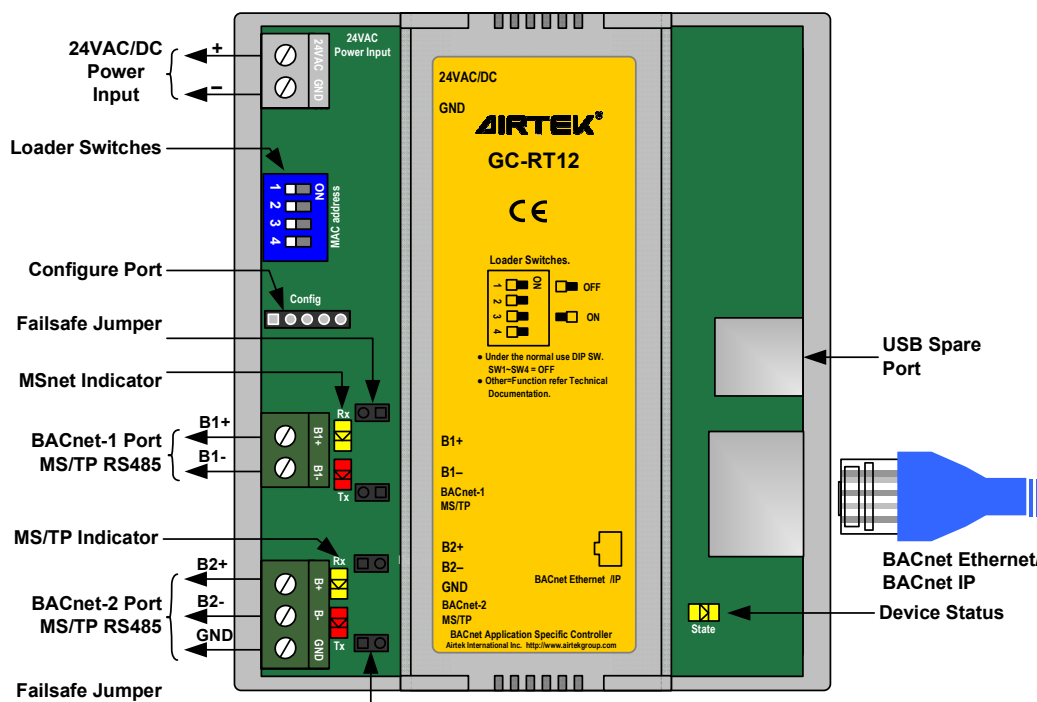
【Specification】

Power Supply	24VAC/DC, 5VA. Provide a 24VDC internal power supply.
Microprocessor	32-bit high performance microprocessor with 128K RAM, 32K FRAM and 512K Flash memory
Ethernet Port	A 10/100M Ethernet with BACnet Ethernet(ISO-8802-3) communication protocol
MS/TP Port	Two MS/TP RS-485 ports with selectable speed 9600/19200/38400/76800 BPS and 2500Vrms electrical isolated protection and TVS ARRAY surge protection. Each port for 32 devices. Two ports work with 64 local controllers.
Environment	0~70℃ , 0~95%RH, non-condense
Certificate	EMC Directive 89/336/EEC (European CE Mark).

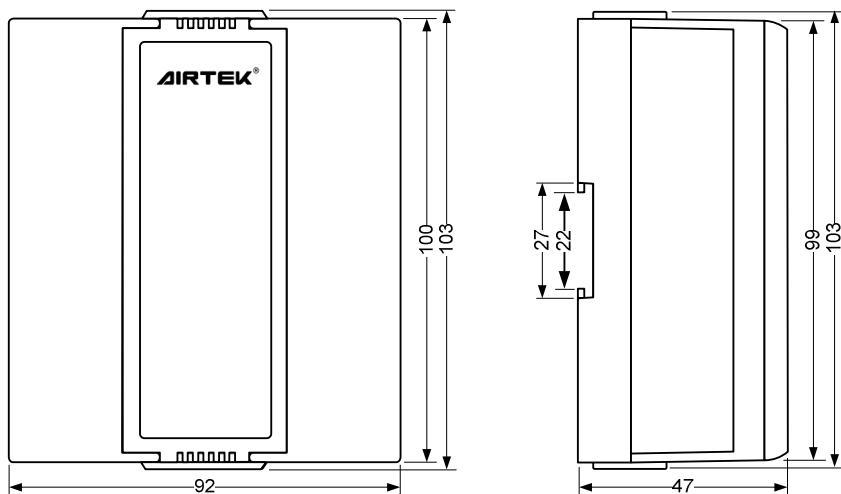
【 Network 】



【 Wiring 】



【 Dimension 】 Unit : mm



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