

BACnet Field Device

BACnet SMS alarm module

DACSMSB

【Description】

DACSMSB is a standalone BACnet B-AAC class programmable alarm message sending controller. It helps user to monitor their control system at anywhere all the time by getting alarm message right on it happened. By this way, user can improve its man power efficiency and safety of the control system. DACSMSB get BACnet notification from any device in the network and send this message to up to 10 preset cellular phones. DACSMSB Message can be send in a preset time zone and send to a specific person according to the number of notification. DACSMSB can send English, traditional Chinese, or simplify Chinese. It conforms international BACnet MS/TP communication protocol and fully compatible with any BACnet system.



【Features】

- Conforms to ASHRAE and ISO16484-1 defined BACnet B-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, MST20S or DSP20U.
- One EIM port can connect up to 4 EIM I/O expansion modules.
- GSM has a RS-232 port, communicate with GSM module by AT Command
- PIN code input mode available if necessary to input SIM PIN code.
- Dual system of GSM 900/1800MHZ, applicable for most regions.
- Support English, Traditional Chinese (BIG5) or simplified Chinese (GB); brief message up to 70 Chinese characters or 160 English characters (contains alarm time and status).
- Connect to GSM module by RS232 cable. Benefit for select a location of good cell phone signal reception to install.
- 2 Calendars, 10 Schedules, 10 Notification Class, 20 Event Enrollments standard BACnet object. Read or write 20 external devices with maximum 100 points.
- Automatically send message of the BACnet notification to 10 preset cellular phones. Message can be send in a preset time zone and send to a specific person according to the number of notification.
- A Configure Port for device setting and debug with AT command
- 150 AV and 150 BV points, there are 20 message command, these commands help setting or enquire data. 10 phone numbers, 10 notification number for different receivers. 1 set of PIN code setting, 1 set of massager setting code, 1 language selection. Provides information about quality of signal, error code, error message, total messages in the waiting list

【Specification】

Model	EIM	Max. Available Points					Calendar	Schedule	Notification	Event	BV	AV
		BI	PI	AI	BO	AO						
DACSMSB	4	32	32	32	16	16	2	12	4	20	150	150

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

EIMnet Port : One Airtek RS-485 port, communication speed 38,400bps, works with 4 EIM I/O expansion modules.

GSM Port : One RS-232 port, DB-9 male connector, support peer-to-peer communication, communicate with GSM module by AT Command.

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

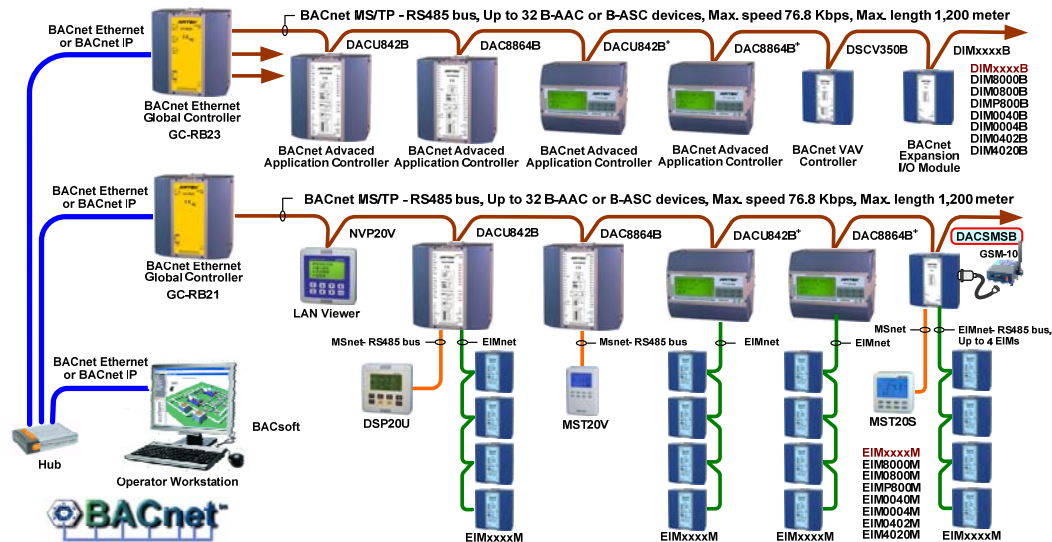
Certification : E MC Directive 89/336/EEC (European CE Mark).

【Accessories】

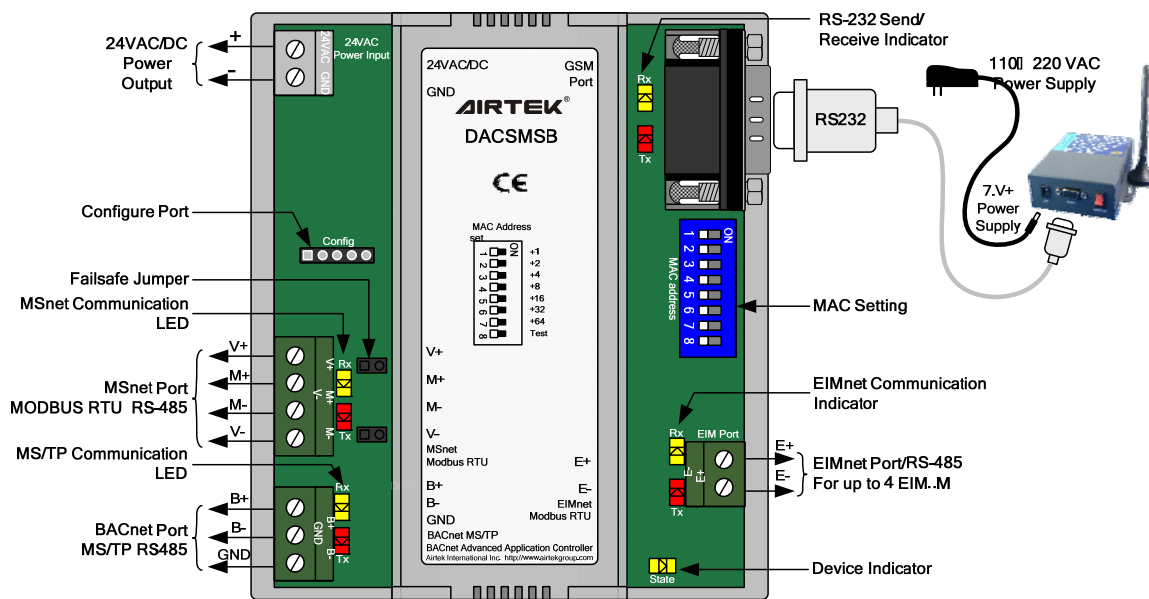
GSM-10...GSM module, Power Supply 5~24VDC,200mA, size 105x115x33mm ◦

A80.....Antenna, size φ30x110mm ◦

【Network】



【Wiring】



【Installation】

- A GSM module is included in the SMS alarm module. SIM card and cell phone are not included.
- The GSM module should be installed at location with good wireless signal.
- Standalone or work with BACnet B-AAC or higher class controller when it has alarm function. For example, assign alarm message of AIRTEK DAC or GC-RB serial device to the device number of DACSMSB

【Dimensions】 Unit : mm

