

# Field Control Layer Device

## BACnet Application Specific Controller+Touch panel

# DSC8846B-x

### 【Description】

DSC8846B-x is a dedicated, programmable, standalone logic controller that complies with the BTL B-ASC protocol specification. 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. In addition, it has an EIMnet port can connect up to 12 EIM series of expansion modules, allowing you to expand in response to the needs of various points. Another MSnet port can connect an external LCD control panel to make user operation and control easily at the job site. DSC8846B is a BTL listed device, and is fully compatible with any BACnet system. It is absolutely the best product for your building.



DSC8846B-A



DSC8846B-A-T



### 【Features】

- Developed in compliance with the BACnet communication protocol established by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), compliant with BACnet protocol and relevant test specifications.
- Built-in 32-bit microprocessor, 128K FRAM, 1M+128K+16K SRAM, and 8M+1M+64K Flash memory.
- Built-in MS/TP master-slave communication interface with 2,500Vrms interference-resistant potential isolation design.
- Features online program editing, debugging, online program download, and online firmware update capabilities.
- Features common function operations such as enthalpy value, dew point temperature, and PID control, along with advanced mathematical functions including logarithms, trigonometric functions, and square roots.
- Features 100 digital software points (BV) and 100 analog software points (AV), which can be used as calculation values, setpoints, timers, or alarm points.
- All analog input accumulated values (AI), digital output values (BO), analog output values (AO), digital software points (BV), and analog software points (AV) feature power-off memory functionality. Data is automatically written to FRAM during power loss and can be retained for over 10 years.
- All BO, AO, and BV points support 16-level priority control functionality.

### 【Specification】

Model	BI / AI / BO / AO	EIMnet	Digital Software Point	Analog Software Point	Touch Operation screen
<b>DSC8846B-A</b>	8 / 8 / 4 / 6	12	100	100	×
<b>DSC8846B-A-T</b>	8 / 8 / 4 / 6	12	100	100	✓

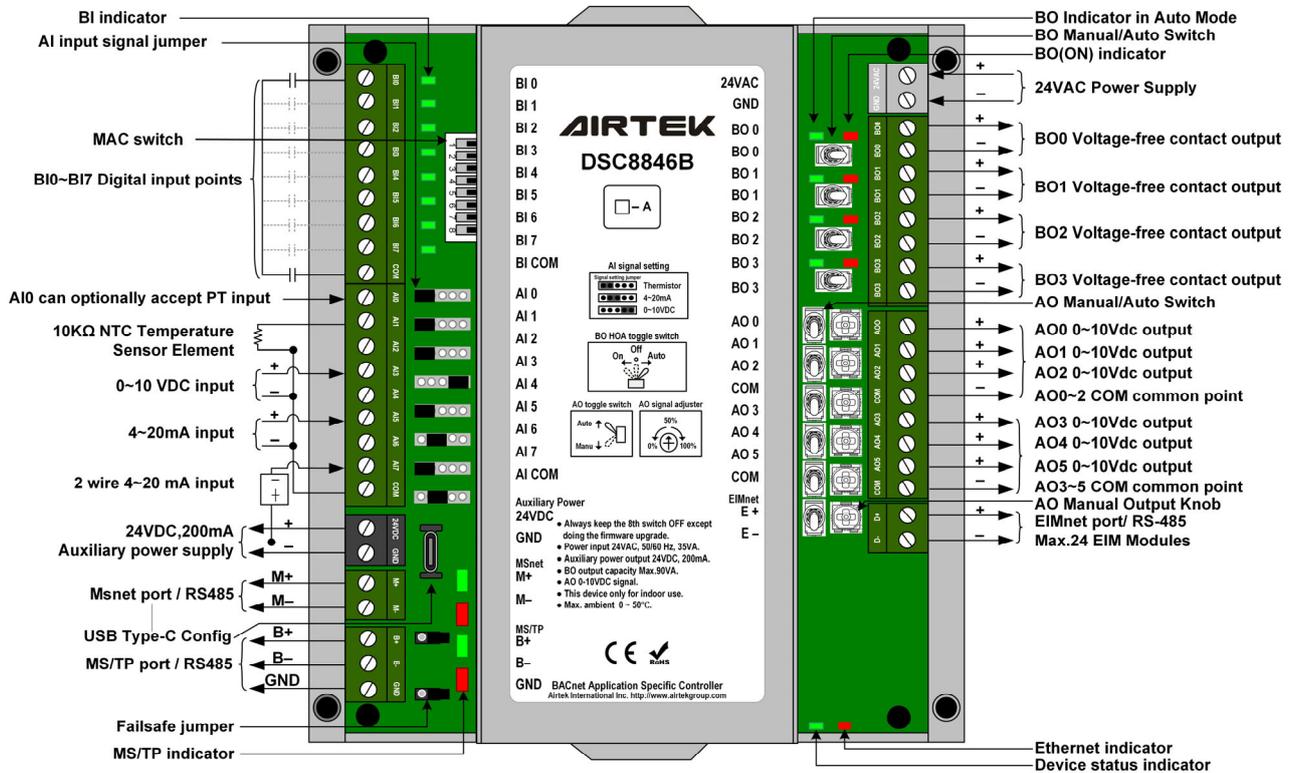


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### 【Wiring Diagram】



### 【Dimension】 Unit : mm

