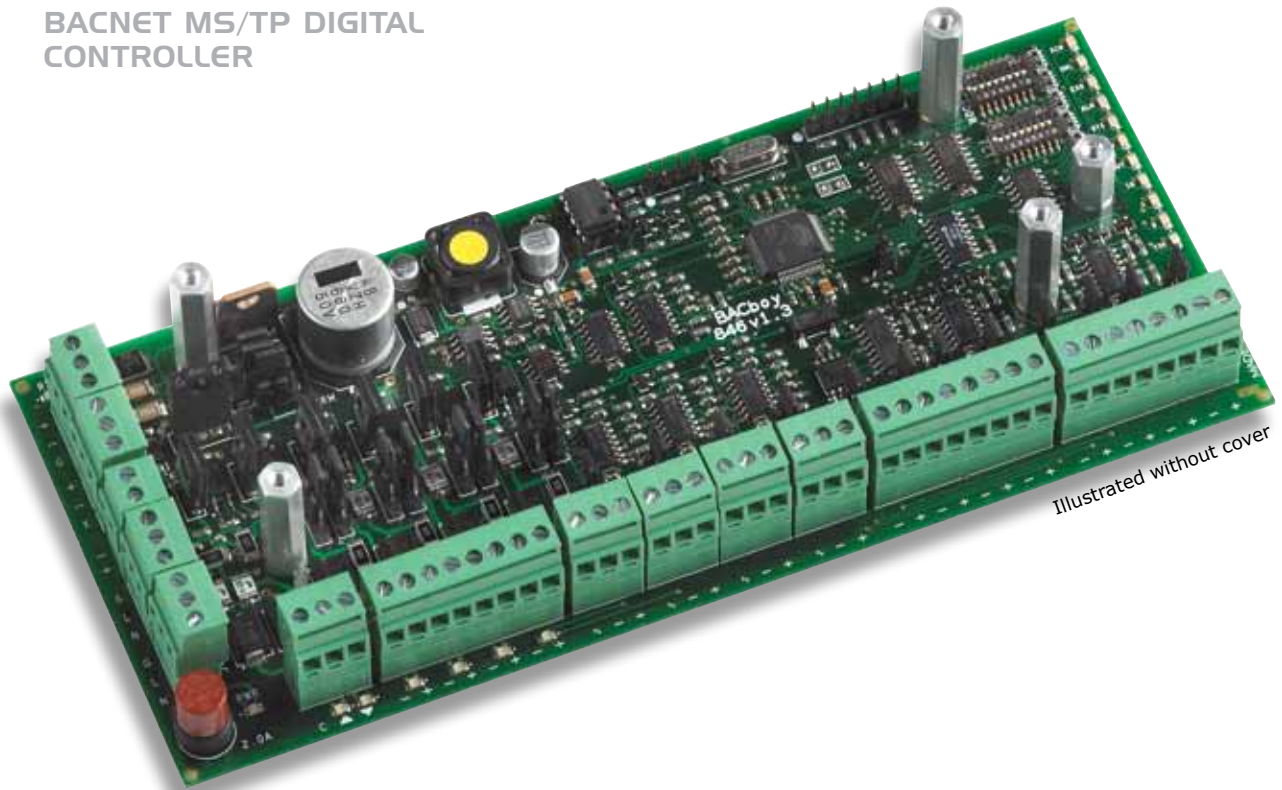


## BACboy 846

### BACNET MS/TP DIGITAL CONTROLLER



#### DESCRIPTION

- ▶ This high-performance compact digital controller is fully programmable by the user. It also operates with the MS/TP protocol, expanding interoperability possibilities for third party devices.
- ▶ Comes with 8 analog inputs, 4 analog outputs and 6 binary outputs.
- ▶ Operates in offline mode.

#### FEATURES

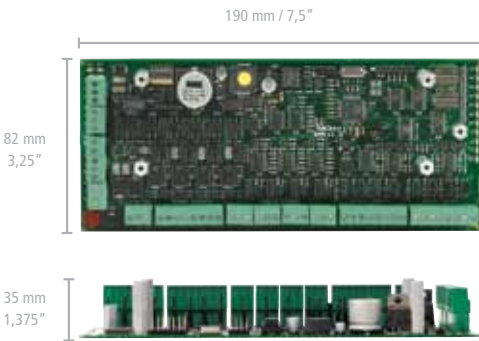
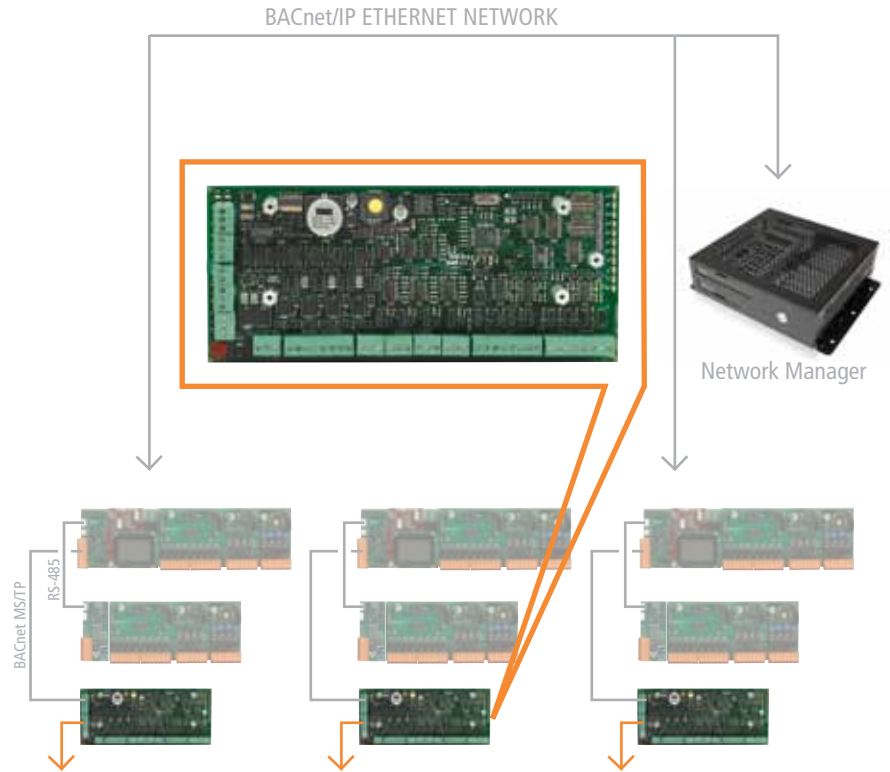
- ▶ Provides many inputs and outputs possibilities through simple jumper selection.
- ▶ Provides a floating output from predefined binary outputs.
- ▶ Quick snaptrack rail mounting.
- ▶ Removable 90° terminal blocks.

#### APPLICATION

This controller is designed to simplify management of equipment currently used in the HVAC industry. Developed using BACnet MS/TP standard, it is also interoperable with products from other vendors and manufacturers using the same protocol. Provides solutions that can be customized according to project requirements.

# BACboy 846

## BACNET MS/TP DIGITAL CONTROLLER



### TECHNICAL SPECIFICATIONS

- ▶ **Max. Wire Size:** 16 AWG
- ▶ **Supply Voltage:** 24 VAC
- ▶ **Current Consumption:** 50 VA max.
- ▶ **Type of Protection:**  
2 Amp plug-in fuse
- ▶ **Inputs:**  
8 analog  
I: Current: 0..20 mA  
T: Thermistor 10kΩ (type 2 or 3), dry contact  
V: Voltage: 0..10 VDC  
Note: Analog inputs can also be used as binary inputs.  
**Resolution** 12 Bits (4096 counts)
- ▶ **Outputs:**  
2 binary, triac, 10..30 VAC, 1.0 Amp max., source only.  
4 binary, triac, 10..30 VAC, 1.0 Amp max., sink or source.  
Note: Binary outputs can also be used as pulse outputs.  
4 analog, current 0..20 mA voltage 0..10 VDC source  
Note: Analog inputs can also be used as binary inputs.  
**Resolution** 9 Bits (512 counts)
- ▶ **Real-Time Clock (RTC):** yes
- ▶ **Trend Logs:**  
Automatic on all current BACnet objects.  
Limited only by the storage capacity of the server
- ▶ **Microprocessor:** 32 bits, 48 MHz
- ▶ **Baud Rate:**  
9600, 19200, 38400, 76800, 115200
- ▶ **Dimension:**  
190 mm x 82 mm / 7.5" x 3.25"
- ▶ **Storage/Transport Temp.:**  
-40 °C .. 60 °C / -40 °F .. 140 °F
- ▶ **Operating Temp.:**  
-25 °C .. 45 °C / -13 °F .. 113 °F
- ▶ **Relative Humidity:**  
10 .. 90 % RH (non-condensing)
- ▶ **Weight:**  
150.5 g / 0.33 lb
- ▶ **Mounting:**  
Standard 3.25" snaptrack
- ▶ **Warranty:** 3 years
- ▶ **Certification:**  
UL (Canada and US) UL 916 Energy Management Equipment (pending)

