

BAS-3050BC

BAS-3051BC

8-ch DI, 8-ch DO BACNet MS/TP
Remote I/O Module

16-ch DI BACNet MS/TP Remote I/O
Module

NEW



BAS-3050BC



BAS-3051BC



Features

- 24 V_{DC} or 24 V_{AC} input
- 3000 V_{DC} isolation protection
- Supports 1 kHz counter input and 1 kHz frequency input (2 channels)
- Supports PWM output (2 channels) (BAS-3050BC only)
- BACNet MS/TP Server
- Supports Master-Slave mode

Introduction

BAS-3050BC/BAS-3051BC can serve as BACNet MS/TP remote I/O modules through an RS-485 network to be integrated with worldclass BACNet DDC Controllers such as Johnson Controls, Honeywell, ... etc.

Specifications

General

- **Dimension (W x H x D)** 120 x 120 x 44 mm (4.72" x 4.72" x 1.73")
- **Enclosure** ABS + PC
- **Power Input** 24 V_{DC}/24 V_{AC}
- **Power Consumption** 3 W @ 24 V_{DC}
- **Watchdog Timer** Yes
- **Communication** RS-485

Digital Input

- **Channels** 8 (BAS-3050BC)/16 (BAS-3051BC)
- **Dry Contact** Logic High Close
Logic Low Open
Support 1 kHz Counter Input (2 channels)
Support 1 kHz Frequency Input (2 channels)

Digital Output (BAS-3050BC only)

- **Channels** 8 (Source Type)
- **V_{CC}** 10 ~ 35 V_{DC}, Current: 1 A (per channel)
- **Supports PWM Output (2 ch)**
PWM period: 2ms~3600sec
Minimum duty on (pulse width): 0.2ms
PWM Rising/ Falling time: 170/ 160 us

Protection

- **Isolation Voltage** 3,000 V_{DC}

BACNet Profile

- **Protocol** BACnet MS/TP Server
- **Mode** Master-Slave
- **Device Profile** BACnet Smart Sensor (B-SS)
- **Interoperability** DS-RP-B, DS-WP-B, DS-RPM-B, DS-WPM-B, DM-DDB-B, DM-DOB-B Building Blocks
- **Objects** BI, BO, and Device

Environment

- **Operating Temperature** -10 ~ 60° C (14 ~ 140° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** 20 ~ 95% (Non-condensing)
- **Storage Humidity** 0 ~ 95% (Non-condensing)

Ordering Information

- **BAS-3050BC-AE** 8-ch DI, 8-ch DO BACNet MS/TP Remote I/O Module
- **BAS-3051BC-AE** 16-ch DI BACNet MS/TP Remote I/O Module