

# BAS-2020

## 20-channel I/O Expansion Module



CE

### Features

- 20-channel I/O Expansion Module for BAS-2514 and BAS-2520
- Local Bus Connection with BAS-2514 and BAS-2520
- Expand up to 2 meters
- Power Supplied by BAS-2514 and BAS-2520 through Local Bus Cable, no External Power Supply Required
- Wall Mounting panel case

### Introduction

BAS-2020 is a 20-channel expansion module for a BAS-2000 system. The I/O capacity of a BAS-2000 system can easily be expanded by cost-effective I/O expansion modules. Up to three expansion modules can be added to the controller, so you can get the number of I/O points you need. Combine a controller with different expansion modules for: 28, 34, 40, 42, 48, 54, 56, 60, 62, 68, 74 or 80 I/O points.

#### No External Power Required

To reduce wiring costs and make the modules easier to configure, the BAS expansion modules were designed to be powered by the connected BAS-2000 controller. The required power for the I/O expansion module is transferred through the local bus from the BAS-2000 controller. No additional power supply module or power wiring is required.

### Specifications

#### General

- **Certifications** CE
- **Channels** Analog Inputs: 4  
Analog Outputs: 4  
Digital Inputs: 8  
Digital Outputs: 4
- **Dimensions (WxLxH)** 171 x 242 x 35 mm
- **LED Indicators** Power, DO
- **Mounting** Wall
- **Power Consumption** 15 W
- **Power Input** N/A (Powered by controller through local bus)

#### Communications

- **Analog Input Signals** 4 ~ 20 mA, 0 ~ 20 mA, 0 ~ 10 V<sub>DC</sub>, RTD (PT100/PT1000), Thermistor (3 k) (software configurable)
- **Analog Output Signals** 4 ~ 20 mA, 0 ~ 20 mA, 0 ~ 10 V<sub>DC</sub> (software configurable)
- **Digital Input Signals** Dry Contact Logic level 1 : close  
Logic level 0 : open  
Wet Contact Logic level 1 : 10 ~ 30 V<sub>DC</sub>  
Logic level 0 : 3 V<sub>DC</sub> max.
- **Digital Output Signals** Relay Output (Rating : 240 V<sub>AC</sub>, 3 A), LED indicator, manual switch for ON/AUTO/OFF selection
- **Interface** Plug-in screw terminal (#14~22 AWG)  
2 x expansion bus connectors

#### Environment

- **Humidity** 5 ~ 95% non-condensing
- **Operating Temperature** -10 ~ 60 °C (14 ~ 140 °F)
- **Storage Temperature** -25 ~ 85 °C (-13 ~ 185 °F)

### Ordering Information

- **BAS-2020-A** 20-Channel I/O Expansion Module