

# MEXP Expansion

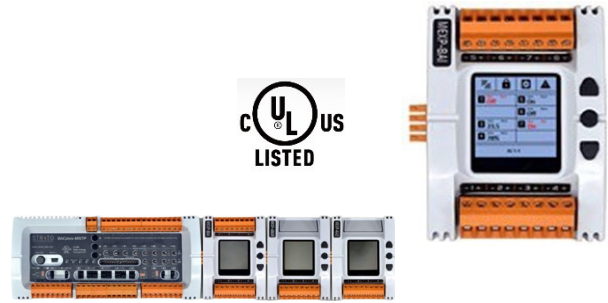
## MEXP-XX

BP848 Expansion Modules



### Description

- ▶ Adds additional I/O to the BP848 Controller
- ▶ Models: MEXP8AI, MEXP4AO & MEXP4BO
- ▶ Local display and override buttons



### Application

The MEXP expansion module controllers are designed to facilitate the expansion of the I/O set from the BP848 giving additional control and functionality for the multiple configurable programs onboard.

### Technical specifications

#### Power supply:

- Local BP848 Bus

#### Current Consumption:

- .9 VA MEXP8AI
- 3.6 VA MEXP4AO
- 1.2 VA MEXP4BO

#### Communication Protocols:

- Local MEXP Bus

#### Hardware

- Microprocessor: STM32 (ARM Cortex™ M3) 32 bits
- CPU Speed: 100MHz

#### MEXP8AI:

- 8 Universal Inputs (AI/BI)
  - Thermistor 10KΩ (type 2 or 3)
  - Dry contact, 500 ms minimum (On-Off)
  - Voltage 0 - 10 Vdc (Input impedance of 100 KΩ)
  - Resolution: 12 Bits (4096 segments)

#### MEXP4BO:

- 4 Binary Outputs
- Voltage 10 to 30 VAC/VDC, 1A max. Fully Isolated Mosfet SSR.

#### MEXP4AO:

- 4 Analog Outputs
- Voltage 0 - 10 VDC linear

Warranty: 1 Year

#### Mechanical:

- Dimensions: 3.47" x 2.59" x 1.58"  
88 mm X 66 mm X 40 mm
- Stacking temperature:  
-30 °C to 50 °C / -22 °F to 122 °F
- Operating conditions:  
-25 °C to 50 °C / -13 °F to 113 °F  
10% to 90% H.R. without condensation
- Weight: 114 g / 0.251 lb
- Enclosure: White color, ABS material  
UL94VO, din rail mountable

#### Programming:

- Configurable writing to the BACnet objects on the BP848 or utilizing Strato Software tools.

#### Certifications:

- UL 916 Energy Management Equipment
- BTL listed: B-ASC, BACnet Application Specific Controller

