

MEXP Expansion

MEXP-XX

BP848 Expansion Modules



Description

- Adds additional I/O to the BP848 Controller and can be used with the OCR+
- 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, OCR+, MEXPPIO

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 10K Ω (type 2 or 3)
- Dry contact, 500 ms minimum (On-Off)
- Voltage 0 - 10 Vdc (Input impedance of 100 K Ω)
- 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

