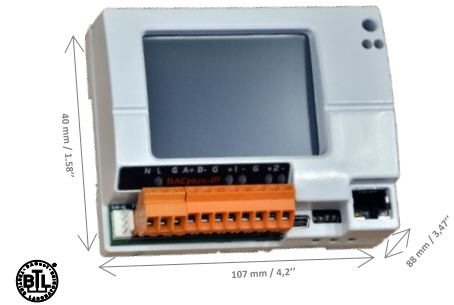


BACplus-IP

Programmable
Digital
Controller



DESCRIPTION

- ▶ The BACplus-IP is a digital controller fully programmable with a variety of combinations of input/output configurations using modular boards.
- ▶ It supports communication protocols such as BACnet IP, BACnet MS/TP and Modbus/RTU.
- ▶ It is BACnet BTL certified in appliance with B-BC (BACnet Building Controller) standards.

APPLICATION

This controller is designed to facilitate control and management of equipment commonly used in the HVAC industry. Developed under the BACnet MS / TP standard, it facilitates smooth integration between our products and those of third parties. It allows to offer solutions tailored to the real needs of the project. Being compatible with the MEXP series, this MS / TP controller adapts to all situations.

TECHNICAL SPECIFICATIONS

Max. wire size:

14 awg

Alimentation :

24 VAC/VDC \pm 15%
2.0A remplaceable fuse
D.E.L. lights indicator

Current consumption:

6 VA typical, 48 VA Max

Real-time clock (RTC):

Yes, without battery

Sound (Buzzer) :

Yes, call by programming

Trend logs :

Automatic on all BACnet objects present. Limited only by the storage capacity of the server.

Microprocessor :

STM32 (ARM Cortex™ M4), 32 bits, 180MHz

Memory:

Flash: 2 MB non-volatile (user's application program)
RAM: 256 KB
SRAM (external): 2 MB

Number of BACnet objects:

202 items (up to 500 items with key)

Transmission speed (BACnet MS/TP) :

9600, 19200, 38400, 76800

Expansion (I/O Boards) :

Priority protocol at 460800 bps

External connections :

Mini USB type to visualize MS/TP network

Accessibility:

Via touch screen interface or web browser

Breakdown protection:

A capacitor type device maintains the time in case of failure, duration approximately 2 weeks once fully charged

Programming : Programming in C language via the BACnetClient software interface (STRATO Automation)

Communication protocol :

BACnet IP, BACnet MS/TP, MODbus RTU

Dimensions :

88.3 mm x 190.6 mm x 41.9 mm / 3,48" x 7,48" x 1,61"

Stocking temperature :

-30 °C à 50 °C / -22 °F à 122 °F

Operation temperature :

0 °C à 45 °C / -32 °F à 113 °F

Relative humidity:

10% to 90% H.R. without condensation

Weight :

315 g / 0.7 lb

Mounting type:

Quick mounting on DIN rail or with retractable screw clip system.

Warranty:

1 years

Case:

White color, ABS material UL94V0

Certification :

UL (CND & EU)
UL 916 Energy Management Equipment (Pending)
BTL B-BC, BACnet Building Controller