

NETWORK & WIRELESS

BACNET MS/TP POINT PICKUP MODULE PPM SERIES

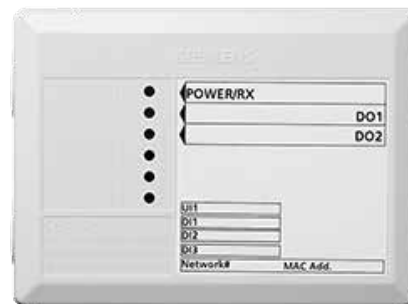
DESCRIPTION

The **Siemens PPM Series BACnet MS/TP Point Pickup Module** are expansion I/O devices that communicate on a BACnet MS/TP network, allowing for the incorporation of a cluster of remote points into the Building Automation Station over the MS/TP network. The PPM family leverages the MS/TP network to extend the reach of any BTL-listed BACnet Building Controllers application program. Each Universal Input can be configured for analog or digital input. Input/Output type is configured by writing to BACnet object properties.

NEW!

BACnet

SIEMENS



PPM-1U32.BPF



FEATURES

- **Wide range of signal type support for flexible I/O solutions**
- **Device ID and Device name auto-populated for efficient start up**
- **UL and cUL Listed as Enclosed Energy Management Equipment. No additional enclosure required**
- **BTL listed**
- **LEDs visible through the housing indicate the power, communication, and DO status**
- **Recover and resume communication on the network after a power interruption without operator intervention**
- **Capable of mounting on electrical junction box without field modification or adaptors**
- **DIN rail and surface mount installation also possible**

SPECIFICATIONS

Supply Power	Input power range of 19.2 VAC to 28.8 VAC (50 or 60 Hz) 4 VA to 7 VA	Analog Inputs	
Protocol	BACnet MS/TP master or slave 9600 to 76800 baud set via DIP switch	PPM-2U22.BPR/BPF	2- 1000 Nickel RTD Type 63, 1000 Pt RTD Type 85, 0-10 VDC, or 4-20 mA
Universal Inputs		PPM-2U3322.BPR/BPF	2- 1000 Nickel RTD Type 63, 1000 Pt RTD Type 85, 0-10 VDC
PPM-1U32.BPR/BPF	1- 10kΩ Type 2 (Kele Type 24) Thermistor or dry contact,	Analog Outputs	
PPM-2U22.BPR/BPF	2- 1000 Nickel RTD Type 63, 1000 Pt RTD Type 85, 0-10V, or dry contact	PPM-2U22.BPR/BPF	2- 0-10 VDC
PPM-2U3322.BPR/BPF	2- 1000 Nickel RTD Type 63, 1000 Pt RTD Type 85, 0-10V, or dry contact	PPM-2U3322.BPR/BPF	2- 0-10 VDC
Digital Outputs		Digital Inputs	3- Dry contact or Pulse accumulator (PPM-1U32.BPR/BPF)
PPM-1U32.BPR/BPF	2- Form A NO (Normally Open) Relays. 24 to 240 VAC, 5A resistive, 2A general purpose, 5(2)	Operating Temperature	32° to 122°F (0° to 50°C)
PPM-1U32.BPR	2 - Hand-Off-Auto switches provide manual operation of the relays for commissioning	Storage Temperature	-40° to 158°F (-40° to 70°C)
PPM-2U3322.BPR/BPF	3- Form A NO Relays. 24 to 240 VAC, 5A resistive, 2A general purpose, 5(2)	Operating Humidity	5 - 93% RH non-condensing
		Dimensions	4.5"H x 6.1"W x 1.6"D (11.4 x 15.5 x 4.1 cm)
		Weight	0.8 lb (0.4 kg) max. (including box)
		Approvals	UL, cUL, BTL listed
		Warranty	1 year

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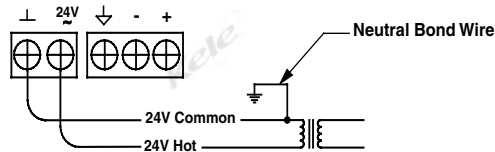
WHEN YOU NEED IT RIGHT, RIGHT NOW, CALL KELE.

March 2014

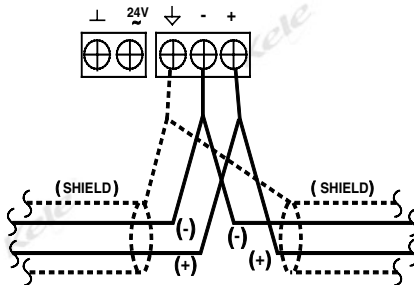
WIRING

Power Wiring

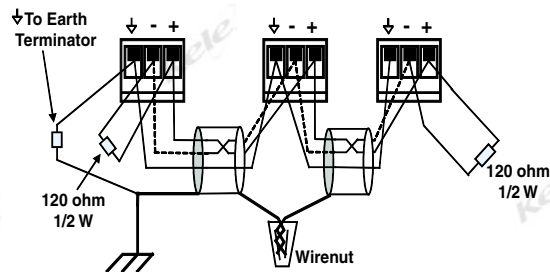
Connect wiring to power and I/O terminals.



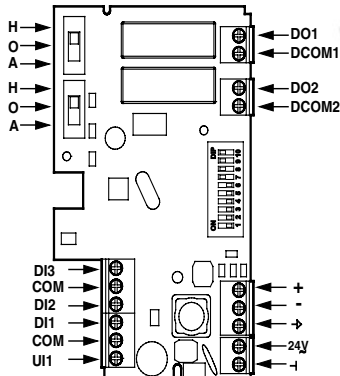
FLN 2-wire network interface



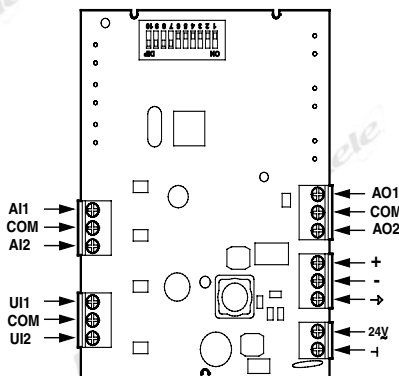
FLN 3-wire network interface



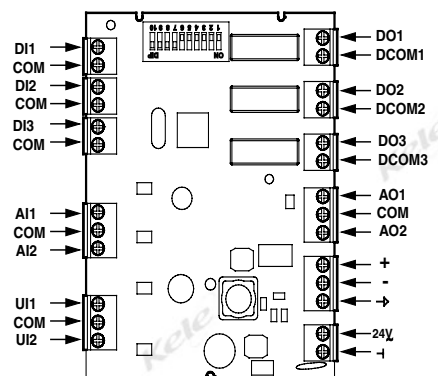
6-Point Digital controller board



6-Point Analog controller board

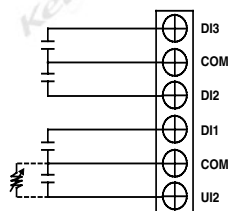


PPM-2U3322.BFP and PPM-2U3322.BPR

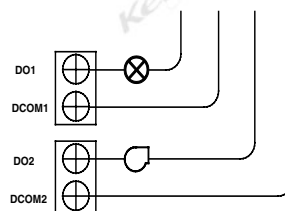


I/O Configuration Diagrams

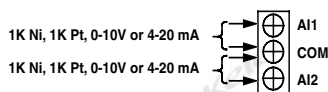
AI/DI wiring for 6-point digital



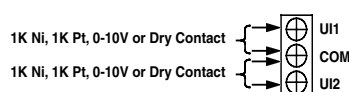
DO wiring for 6-point digital



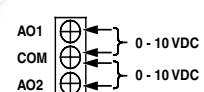
Analog input wiring



Universal input wiring



Analog output wiring

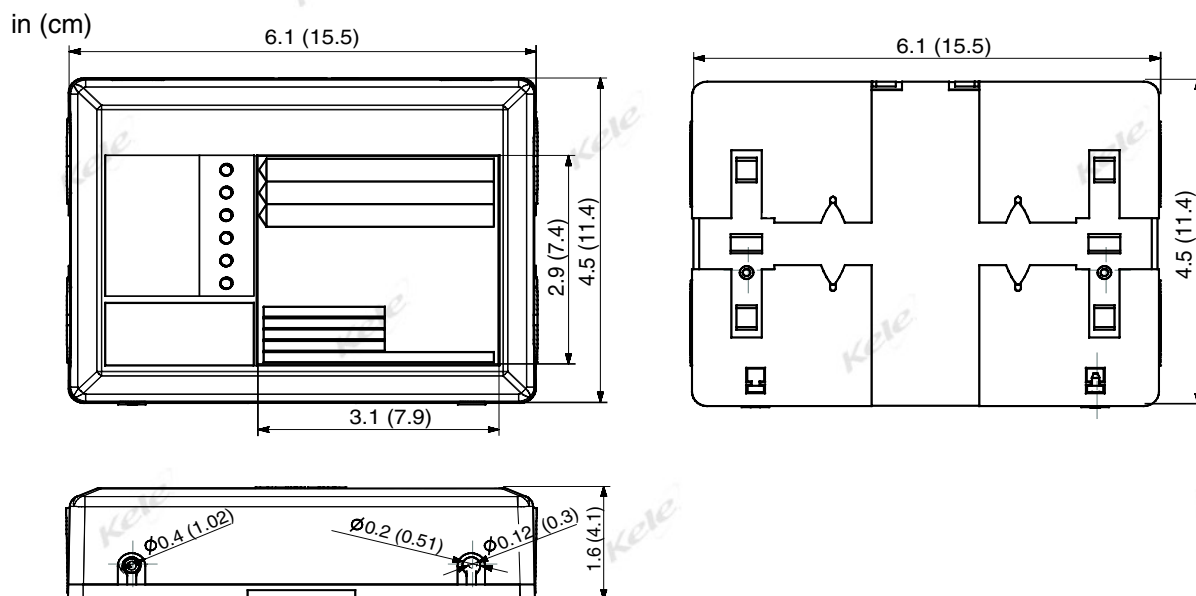




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BACNET MS/TP POINT PICKUP MODULE PPM SERIES

DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
PPM-1U32.BPF	BACnet MS/TP I/O Module, 1UI 3DI 2DO, Fixed Terminal Blocks
PPM-1U32.BPR	BACnet MS/TP I/O Module, 1UI 3DI 2DO, HOA Switches, Removable Terminal Blocks
PPM-2U22.BPF	BACnet MS/TP I/O Module, 2UI 2AI 2AO, Fixed Terminal Blocks
PPM-2U22.BPR	BACnet MS/TP I/O Module, 2UI 2AI 2AO, Removable Terminal Blocks
PPM-2U3322.BPF	BACnet MS/TP I/O Module, 2UI 3DI 3DO 2AO 2AI, Fixed Terminal Blocks
PPM-2U3322.BPR	BACnet MS/TP I/O Module, 2UI 3DI 3DO 2AO 2AI, Removable Terminal Blocks

ACCESSORIES

550-974P10	3-wire RS-485 earth ground reference terminator (pkg. of 10)
550-975P100	3-wire 120Ω 1/2W resistor for end of line terminator (pkg. of 100)

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