MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

PPM-1U32.BPF

MS/TP POINT PICKUP MODULE

Used with the applicable Siemens PPM configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for PPM-1U32.BPF

MS/TP Point Pickup Modules Specifications

Power Requirements Operating Range Power Consumption	Input power range of 19.2 Vac to 28.8 Vac (50 or 60 Hz) 4 VA to 7 VA
Universal Inputs	**6 Point Digital PPMs** (PPM-1U32.BPR and PPM-1U32.BPF) 1- 10K Ω Type II NTC Thermistor or dry contact **6 Point Analog PPMs** (PPM-2U22.BPF and PPM-2U22.BPR) 2- 1000 Nickel RTD, 1000 Pt RTD, 0-10V, or dry contact **12 Point Combination PPMs** (PPM-2U3322.BPF and PPM-2U3322.BPR) 2- 1000 Nickel RTD, 1000 Pt RTD, 0-10V, or dry contact **12 Point Combination PPM** (PPM-3U63.BPR, for China only) 3- 1000 Nickel RTD, 1000 Pt RTD, 0-10V, or dry
Digital Outputs	**6 Point Digital PPMs** (PPM-1U32.BPR and PPM-1U32.BPF) 2- Form A NO (Normally Open) Relays. 24 to 240 Vac, 5A resistive, 2A General Purpose, 5(2) **6 Point Digital PPM** (PPM-1U32.BPR) 2- Hand-Off-Auto switches provide manual operation of the relays for commissioning **12 Point Combination PPMs** (PPM-2U3322.BPF, PPM-2U3322.BPR, and PPM-3U63.BPR (for China only)) 3- Form A NO (Normally Open) Relays. 24 to 240 Vac, 5A resistive, 2A General Purpose, 5(2)
Analog Inputs	**6 Point Analog PPMs** (PPM-2U22.BPF and PPM-2U22.BPR) 2- 1000 Nickel RTD, 1000 Pt RTD, 0-10Vdc, or 4-20mA **12 Point Combination PPMs** (PPM-2U3322.BPFand PPM-2U3322.BPR) 2- 1000 Nickel RTD, 1000 Pt RTD, 0-10Vdc
Analog Outputs	**6 Point Analog PPMs** (PPM-2U22.BPF and PPM-2U22.BPR) 2- 0-10 Vdc **12 Point Combination PPMs** (PPM-2U3322.BPFand PPM-2U3322.BPR) 2- 0-10 Vdc
Digital Inputs	**6 Point Digital PPMs** (PPM-1U32.BPR and PPM-1U32.BPF) 3- Dry contact or Pulse accumulator **12 Point Digital PPM** (PPM-3U63.BPR, for China only) 6- Dry contact
Dimensions	6.1 in x 4.5 x 1.4 in (154 mm x 114.4 mm x 34.5 mm)
Weight	0.8 lb max. including box
Communications Remote Local	BACnet MS/TP master or slave 9600 to 76800 baud set using a DIP switch
Storage Temperature Operating Range Humidity Range	-40°F to 158°F (-40°C to 70°C) 32°F to 122°F (0°C to 50°C) 5% to 95% rh (non-condensing)

Ordering Information

Part Number	Description
PPM-1U32.BPF	6 Point Digital BACnet MS/TP Point Pickup Module, Fixed terminal blocks (1UI 3DI 2DO)
PPM-1U32.BPR	6 Point Digital BACnet MS/TP Point Pickup Module, Removable terminal blocks and HOA switches (1UI 3DI 2DO)
PPM-2U22.BPF	6 Point Analog BACnet MS/TP Point Pickup Module, Fixed terminal blocks (2UI 2AI 2 AO)
PPM-2U22.BPR	6 Point Analog BACnet MS/TP Point Pickup Module, Removable terminal blocks (2UI 2AI 2 AO)
PPM-2U3322.BPF	12 Point Combination BACnet MS/TP Point Pickup Module, Fixed terminal blocks (2UI 3DI 3DO 2AO 2AI)
PPM-2U3322.BPR	12 Point Combination BACnet MS/TP Point Pickup Module, Removable terminal blocks (2UI 3DI 3DO 2AO 2AI)
PPM-3U63.BPR (for China only)	12 Point Combination BACnet MS/TP Point Pickup Module, Removable terminal blocks (3UI 6DI 3DO)
PPM-DIN.RMB	BACnet MS/TP Point Pickup Module DIN rail mounting brackets (5 pair)
550-975P100	3-wire 120 Ω 1/2W carbon composition resistor/each end of line terminator (pkg. of 100)
550-974P10	3-wire RS-485 reference terminator for single earth ground termination at one end of network.

BACnet Protocol Implementation Conformance Statement

Products

Product	Model Number	Protocol Revision	Software Version	Firmware Version
6 Point Analog PPM	PPM-2U22.BPF PPM-2U22.BPR	135-2004	3.0	1.0
6 Point Digital PPM	PPM-1U32.BPF PPM-1U32.BPR	135-2004	3.0	1.0
12 Point Combo PPM	PPM-2U3322.BPF PPM-2U3322.BPR PPM-3U63.BPR (for China only)	135-2004	3.0	1.0

Vendor Information

Siemens Industry, Inc.
Building Technologies Division
1000 Deerfield Parkway
Buffalo Grove, IL 60089
www.sbt.siemens.com

Product Description

The Point Pickup Module connects to small point count, remotely located digital IO/. This controller communicates with the APOGEE® Automation System using BACnet MS/TP.

BACnet Standardized Device Profile (Annex L)

Supported	Device Profile
	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
•	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Actuator (B-SA)
	BACnet Smart Sensor (B-SS)