SIEMENS

Technical Specification Sheet
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Siemens Digital Point Pickup Module

The Siemens Digital Point Pickup Module (PPM) is a slave I/O device that communicates on a P1 FLN or expansion bus. The PPM allows primarily digital point expansion for any APOGEE field panel that has P1 FLN or expansion bus capabilities.

Features

- 1 AI/DI (configurable to 10KΩ Type II NTC thermistor analog input or dry contact digital input via a slide switch), 3 dry contact digital inputs and 2 digital outputs. Total of 6 available points.
- Default communication at 4800 baud also supports 9600, 19200, 38400, 57600 and 115200 via auto-detect.
- 8-bit DIP switch to configure address
- Recover and resume communication on the network after a power interruption without operator intervention.
- Capable of mounting on various electrical junction boxes without field modification or adaptors.
  - 4 in. x 4 in. standard depth US box, 100 mm x 100 mm x 25 mm Asia/Pacific standard box, 86 mm x 86 mm x 25 mm China standard box.
- Plenum rated, no enclosure necessary.
- A removable barrier is integrated into the packaging to keep high voltage wiring separate from low voltage wiring within the junction box
- LEDs visible through the housing, indicate the power, communication, and DO status.
- Assembly has a cover label associated with the LEDs for easy labeling.
- No calibration required, thereby reducing maintenance costs.
- Optional DIN Kit for mounting PPM on a DIN rail (PPM-DINKIT) sold separately.

Hardware

Controller Board

The controller interfaces with but does not provide direct control of the following external devices:

- Temperature sensors (room, duct, immersion, and outside air) 10KΩ Type II NTC
- Digital input devices (dry contacts from motion sensors, alarm contacts) or LPACI
- Digital output devices (fans, pumps, stages of electric heat)

Digital Point Pickup Module Specifications

Power Requirements	
Operating Range	Input power range of 19.2 Vac to 28.8 Vac (50 or 60 Hz)
Power Consumption	4 VA
Inputs	
Analog	1 Configurable 10KΩ Type II NTC Thermistor
Digital	3 Fixed dry contact or LPACI and 1 Configurable dry contact or LPACI
Outputs	
Digital	Two Form A NO (Normally Open) Relays with a shared common. 24 to 250 Vac, 3A resistive, 2A General Purpose, 3(2)
Temperature Monitoring Accuracy	±0.25°F over a range of 55°F to 95°F (13°C to 35°C)

NOTE: PPMs have a hard coded range, if the value goes below 20°F (-6.7°C) or above 120°F (48.9°C), the point will display FAILED.

Dimensions	4.5 in x 4.5 x 1.4 in (114.3 mm x 114.4 mm x 34.5 mm)
Weight	0.5 lb
Communications	
Remote	4800 to 115200 bps FLN Trunk
Local	None
Storage Temperature	-40°F to 158°F (-40°C to 70°C)
Operating Temperature Range	32°F to 122°F (0°C to 50°C) 5% to 95% rh (non-condensing)

Agency Listings	
UL Listing	UL 916, PAZX, PAZX7
cUL Listed	Canadian Standards C22.2 No. 205
FCC Compliance	Part 15 Class B CISPR 22 Class B RCM conformity EU conformity (CE)
Environmental Compliance	Meets EU RoHS Requirements WEEE Compliant
OSHPD Certification	Product meets OSHPD Special Seismic Preapproval certification (OSH-0217-10) under California Building Code 2010 (CBC2010) and International Building Code 2009 (IBC2009) when installed within Siemens enclosure part numbers; PXA-ENC18, PXA-ENC19 or PXA-ENC34.

Product Ordering Information

Description	Product Part Numbers
Digital Point Pickup Module (U.S., Canada, Latin America and the U.K. Version with Removable Terminal Blocks)	PPM-1U32.PPR
Point Pickup Module DIN Kit (Kit includes 10 mounting brackets and 10 screws, capable of mounting up to 5 PPMs)	PPM-DIN.KIT

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