Environmental Sensors for Monitoring Temperature, Humidity, Battery Levels and Building Alarms

Analog Temperature and Humidity Sensors

Temperature Sensor with Probe (100° to 355° F)
D-PG-274-10A-00
High temperature analog temperature sensor with probe measures from 100° to 355° F (37.8° to 179.4° C).

Temperature Sensor with Probe (–20 to 180° F)
D-PG-275-10A-00
Analog temp sensor with probe measures from –20° to 180° F (-28.9° to 82.2° C). Voltage 8.5 VDC to 35 VDC. Includes resistor for use in –48 V operations.

Analog/Temperature and Humidity Sensor Package (–48 V)
D-PG-281-10A-00
Self-contained temperature and humidity sensor. Temperature range: 23° to 131° F (−5° to 55° C). Humidity Range: 0% RH to 100% RH temperature compensated. Both temperature and humidity outputs are linearized across the 4 to 20 mA output. Package includes –48 V power adapter.

Analog Temperature/Humidity Sensor Only
D-PK-SENSR-12001.00001
Same as above, except power supply not included. Typically used with NetGuardian units equipped with 12 V output power option. RoHS 6 of 6 compliant.

External Temperature Sensor Probe
D-PR-991-10A-07 (7ft.)
Temperature sensor that plugs into the external temp sensor jack on some models of the NetDog G2 and the NetGuardian 832G5.

D-PR-998-10A-07
Temperature sensor that plugs into the external temp sensor jack on some models of the NG216 G3, NetGuardian LT, SiteMON IP, and NetGuardian Voice 16. (7ft long)
Analog Temperature and Humidity Sensors (cont.)

Temperature Sensor Package (-20 to 180F)
D-PK-SENSR-12012.00001
Self-contained package includes analog temperature sensor with probe. Monitors from -20F to 180F. Ideal for use with the analog inputs of NetGuardian family of RTUs. This package is integrated with -48 VDC In and 24V Out DC-to-DC converter for use in -48V operations. RoHS 5 of 6 compliant. Wall-mountable. Include One 20 foot cable for power and One 20 foot cable for 4-20 mA analog data.

Exterior Weather Station
D-PK-SENSR-12023.00001
Integrated weather station consisting measuring: Wind Speed, Wind Direction, Temperature and Humidity. Includes: Solar shield and 6ft tall, 3 ft wide, 1” diameter mounting frame. Powered by 10vdc to 36vdc so it could be powered by either 12VDC or 24VDC NetGuardian sensor power supply options. All analog outputs are 4-20ma.

Discrete Temperature and Humidity Sensors

TempAlert Sensor (30° to 100° F)
D-PR-589-10A-00
Discrete temperature sensor with high and low alarm thresholds Separate alarms for high and low temperatures. Temperature range from 30° to 100° F. (−1.1° to 37.8° C). Requires no power to operate. Wall mount rectangular box design. Includes screw kit for mounting hardware.

Meter Type TempAlert Sensor (−30° F to 130° F)
D-PR-492-10A-00
Discrete temperature sensor with high and low alarm thresholds. Separate alarms for high and low temperatures. Temperature range from −30° to 130° F. (−34.4° to 54.4° C). Requires no power to operate. Not for use in freezers.
Discrete Temperature and Humidity Sensors (cont.)

Humidity Sensor (Discrete)
D-PR-579-10A-00
Monitors a humidity range of 20% to 80% relative humidity. One alarm threshold that can be used as either a high or low humidity alarm. Great for monitoring humidity in computer rooms, COs, cell sites, nodes, and CEVs. Requires no power to operate.

Building Status Sensors

Water Sensor and Controller
D-PG-271-10A-00
Provides a discrete contact closure when water is detected. The sensor will not trigger an alarm due to condensation or high humidity. Supports N/O and N/C alarm contacts. Powered by 8 to 28 VAC or DC (not included). For 110 VAC, use 24 V wall transformer (D-PR-105-10A-00).

Water Sensor Only, #1040 (for WB200)
D-PR-596-10A-00

Photoelectric Smoke Detector with Heat Sensor
D-PR-560-10A-00
Photoelectric smoke detector uses pulsed infrared diodes to eliminate false alarms caused by dust, insects, FR and ambient light. Integrated heat detector triggers alarms at temperatures above 135°F or at temperatures above 105°F with a rise rate of 15°F per minute. Can trip and latch LED and alarm relay outputs. UL listed. Powered by either 12 VDC or 24 VDC. For 110 VAC use 24 V wall transformer (D-PR-105-10A-00). For −48V DC, use −48 VDC to −12 VDC DC to DC converter (D-PC-766-10A-00).

Push to Exit Button
D-PK-SENSR-12007.00001
Push to exit button that may be illuminated by providing 12VDC or 24VDC. Momentary switch that mounts in a wall switch receptacle (2 1/2” deep). Ideal for use with the Entry Control Unit (ECU) to provide a signal to release the door latch for an authorized exit.
Building Status Sensors (cont.)

Glass Break Sensor
D-PK-SENSR-12019.00001
Sensor triggered by the sound of breaking glass. Ideal for rooms with many windows. Coverage: 25 ft. radius if mounted on ceiling; 45 ft. radius when wall-mounted. Tamper-proof case. Powered by +12VDC. Operating temp: -14° to 122° F (-10° C to 50° C)

Discrete Motion Sensors

Motion Sensor (Discrete)
D-PR-599-10A-00
Monitors motion within a user-specified field of vision. Detection range: 3m - 6m. Powered by 12 to 28VDC. At sites with 110VAC power, a +24VDC wall transformer is available (D-PR-105-10A-03). Can be integrated with the Building Access System to provide automatic exit tracking and intrusion notifications.
Dimensions: 1-3/4”H x 7-1/8”W x 1-7/8”D

Interior/Exterior Motion Sensor (Discrete)
D-PK-SENSR-12008.00001
Water-resistant motion sensor with Advanced ASIC Technology. Focuses on intruders and ignores cats, mice, birds & insects for virtually no false alarms. Ideal for triggering DPS SiteMON IP camera.
Detection method: Uses 2 matching dual optics (passive infrared).

Analog Propane Tank Sensor

Hall Effect Liquid Propane Gas Sensor with Potting Cap
D-PK-SENSR-12009.00001
Magnetically driven, Hall Effect sensor that outputs voltage. Signal from floating mechanism inside tank transmits through solid, non-magnetic bulkhead (no dynamic seals or pressure-type conductors needed.) -40C to 80C (-40F to 176F) Accuracy: +/- 1.5% at E, +/-2% at 20%, +/-3% at higher graduations. Powered by 5VDC. At sites with -48VDC, use DC to DC converter (D-PK-DC2DC-12001) Note: Tank size needed to determine correct fit.
Hydrogen Gas Sensor

Discrete Hydrogen Gas Sensor
D-PK-SENSR-12041.00001
Features a discrete N.O, dry contact closure that sets an alarm relay set at 10% of Lower Explosive Level. The sensor supports a power input of 12-24 VAC or VDC. Easy installation and setup with no maintenance or recalibration required.

Discrete Liquid Level Sensor

Discrete Liquid Level Sensor
D-PK-SENSR-12003.00001
Provides a discrete contact closure when liquid levels fall below parameters. Contains a dry reed switch encapsulated within a stem. Supports N/O and N/C alarm contacts. Operates at a maximum temperature of 105° C and a maximum pressure of 150 PSI.

Power, Battery and Voltage Sensors

Power Out Alert Sensor (Discrete)
D-PR-592-10A-00
Plugs into any 110 VAC circuit that needs to be monitored. When power is interrupted for three to eight consecutive minutes, sensor outputs a contact closure.

Current Sensor 0 to 100 Amp AC/DC (Analog)
D-PR-577-10A-00
Current sensor and signal conditioner measures AC/DC currents and isolates sensor output from conductor. Outputs 4 to 20 mA. Selectable 50, 75 and 100 Amp scales. Sensor can be placed around cable without interrupting operation. Great for motor drives, UPS systems, battery chargers, & more.

Current Sensor, 0 to 150 Amp AC (Discrete)
D-SENSR-12013.00001
AC current sensor with signal conditioner. Outputs a normally-closed relay. Provides electrical isolation between the output of the sensor and the current carrying conductor. Ideal for conveyors, lighting circuits, and electric heaters. Self-powered.
Air Flow Sensors

Air Flow Sensor (Analog, 4-20 mA output)  
(call for part number)  
Designed for industrial applications. Sensor is completely epoxy resin encapsulated and operates with high accuracy and repeatability. Useful for verifying the airflow coming from your HVAC cooling/heating systems, and measuring when air filters and fan belts need replacement.

Air Velocity Transducer (Analog, 0-5 VDC output)  
(call for part number)  
Measurement range from 25 to 10,000 feet-per-second. Full-scale range, signal output, and time constant are user selectable. Useful for verifying the airflow coming from your HVAC cooling/heating systems, and for measuring when air filters and fan belts need replacement.

Door Sensors

Door Sensor (Surface Mount)  
D-PR-550-10A-01  
Closed loop magnetic contact sensor. Consists of magnet and contact. Gap distance is 5/8". Includes screw kit for mounting hardware.

Magnetic Sensor for Panel Doors  
D-PK-DRSNR-12001.00001  
Magnetic sensor typically used on roll-up / garage doors. Uses a 2 ft. stainless steel armored cable. Wide operating gap distance. The contact is directly mounted to the door channel. Loop type is closed. UL listed.
Door Locks

Magnetic Sensor for Overhead Doors
D-PK-DRSNR-12003.00001
Floor-mount magnetic sensor for overhead / hatch doors. Uses an 18 in. stainless steel armored cable. 3 in. gap size. Loop type is closed.

Door Strike
D-PK-STRIK-12001.00001
Electric door strike used in conjunction with DPS Entry Control Units (ECU’s) to electronically open door locks. Powered by 24VDC.

Electromagnetic Lock
D-PK-EMLCK-12001.00001
This electromagnetic door lock is compatible with the ECU G2 & G3 and the DPS Building Access system. Powered by 12VDC or 24VDC. Includes universal header bracket.
Looking for even MORE information on DPS products and services?

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DPS Telecom Remote Telemetry Units with Analog Inputs

**NetGuardian 832A**
Multifunction LAN-based remote with 32 or 64 discrete alarms, 32 ping alarms, **8 analog alarms**, 8 control relays, and 8 serial reach-through ports. Supports SNMP and DCPx. 1 RU for 19” or 23” rack.

**NetGuardian 216 G3**
Light-capacity LAN-based remote with 16 discrete alarms, **2 analog alarms**, 2 control relays and 1 serial reach-through port. Supports SNMP, DCP, DCPf, DCPx and DCP1. 1 RU for 19” or 23” rack. *Now with integrated Web Browser!*

**NetGuardian LT - “Lite”**
Cost-effective solution that dials your phone to inform you of alarms. Perfect for small sites that still need monitoring. Features 4 discrete alarms, **2 analogs**, 1 control. Get voice alerts to your call list and dial into the unit to hear alarm status. SNMPv1.

Call 1-800-622-3314 for Pricing
Visit our Web site at www.dpstele.com
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