

# Temperature Sensor

## D-PK-DSNSR-12001

### Overview

D-Wire sensors track environmental in your server room, telecom shelter, PBX closet, or data center using convenient daisy-chained architecture. With D-Wire sensors, you don't have to worry about analog capacity on your RTUs, tangled masses of wires at your RTU, or even the trouble of wiring analog connectors.

D-Wire sensors from DPS use simple RJ-12 connectors, in and out, and allow you to chain up to 16 sensors to a single DPS RTU's D-Wire port. Your sensor chain can be a maximum aggregate total length of 600 feet, so you can run sensors out as far as you need to monitor your equipment, without having to place analog-capable RTUs in multiple places.



### Features

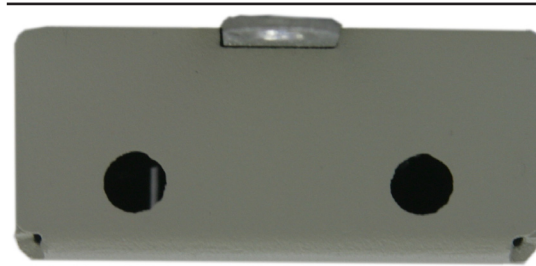
D-PK-DSNSR-12001 Specs	
Power Requirements	RJ12 BUS Power
Installation Type	Plug 'n' Play
Operating Temp	-20° to 70°C
Storage Temp	-40° to 85°C
Measurement Frequency	3 sec. per sensor deployed
Measurement Range	T: -20° to 70°C
Accuracy	+/-1% (+/- 0.05V)
Resolution	10 Bit (.0048 V/step)
Case Type	Aluminum Powder-coated
Orientation	RJ12 on bottom, mounting bracket on top
D-Wire Comm Terminal	RJ12 x2
Analog Termination	N/A
Wire Gauge Range	14-30 AWG
Mounting Style	Single Screw, Wall Mount
Sensor Health Status	Supervised by host RTU
MTBF	15 Years

### Benefits of the Temperature Sensor

- D-Wire sensors do not need a power source. "Plug 'n' Play" functionality.
- The analog signal is digitized at the sensor, so the cable is less susceptible to noise and can be longer.
- Analog value is sent to the RTU for data logging and real-time reading.
- DPS Telecom D-Wire Sensors are more economical compared to 3rd-party alternatives.
- Sensors are uniquely identified by the host or RTU, allowing them to be supervised. This means if a sensor is unplugged or the cable is broken, the RTU can detect this and notify you.

**Holes for air intake**

1.81" wide  
(46 mm)



0.81" deep  
(20.6 mm)

**Screw hole for mounting**

0.5" high  
(12.7 mm)



2.31" high  
(58.7 mm)

**RJ12 D-Wire in/out**  
Use this port to connect the sensor to your RTU or other sensors



**RTU**

**Daisy-chain up to 16 D-Wire sensors.**



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