

Submittal Data

DPWC / DPDC – Wall – Duct Temperature/Humidity Sensors

Power supply	from 9 to 30 Vdc 12 to 24 Vac tolerance -10%, +15%
Current input (0 to 1, V 4-20 mA active outputs)	voltage output, load 10k Ω , 2 outputs Vout max 10 mA @ 12 Vdc power supply 8 mA @ 24 Vdc power supply - current output, 2 x 20 mA outputs 35mA @ 12 Vdc power supply 24mA @ 24 Vdc power supply
AC power consumption (VA)	50mA @ 12 Vac power supply 24mA @ 24 Vac power supply 0.6 VA max power consumption / sensor
AC power consumption (VA)	35 – 49mA RMS @ 12 Vac 25 – 33mA RMS @ 24 Vac 0.8 VA max power consumption / sensor
Operating range	DPW sensors Temperature: from -10 °C to +60 °C (14 to 140 F) Humidity: from 10 to 90 % rH DPD and DPP sensors Temperature: from -20 °C to +70 °C (-4 to 158 F) Humidity: from 10 a 90 % rH and from 0 to 100 % rH, according to the model
Precision	temperature range is: -10 to 60 °C NTC resistive: $\pm 0.3^{\circ}\text{C}$ at 25°C, $\pm 0.5^{\circ}\text{C}$ from 0°C to 50°C, $\pm 0.7^{\circ}\text{C}$ -20T70 °C Humidity: -0.5/1V, 0/1V and 4/20 mA, $\pm 3\%$ rH at 25°C (77 F) /50% rH, $\pm 5\%$ rH -20 to 70 °C (-4 to 158 F) and 10-90 % rH $\pm 2\%$ rH at 25°C (77 F) /50% rH, $\pm 5\%$ rH -20 to 70 °C (-4 to 158 F) and 0-100 % rH
Storage	-20 to 70 °C (-4 to 158 F); 10-90% rH non-condensing
Operating limits versions	-10 to 60 °C (14 to 140 F); 10-90% rH non-condensing for DPW versions -20 to 70 °C (-4 to 158 F); 0-100% rH non-condensing for DPD / DPP versions
Temperature sensor	NTC 10K Ω at 25°C (77 F) 1%
Humidity sensor	Capacitive sensor