Wireless Wall Mount Humidity and Temperature Sensors

Aerospond

Collects environmental data and transmits over wi-fi network

DESCRIPTION

Aerospond HWXW Series and TWXWXX wall mount environmental sensors offer a new method for monitoring and controlling indoor air quality. These sensors monitor interior humidity and temperature conditions and transmit this information over the building's existing wireless network to a wireless gateway device, which communicates with the building control system, or to a JACE controller for direct integration.

APPLICATIONS

- Controlling HVAC systems for improved comfort and energy savings
- Museums, schools, printing shops, hospitals, data centers, and other locations that require temperature and humidity control
- Facilitating compliance with ASHRAE standards for environmental control and indoor air quality

FEATURES

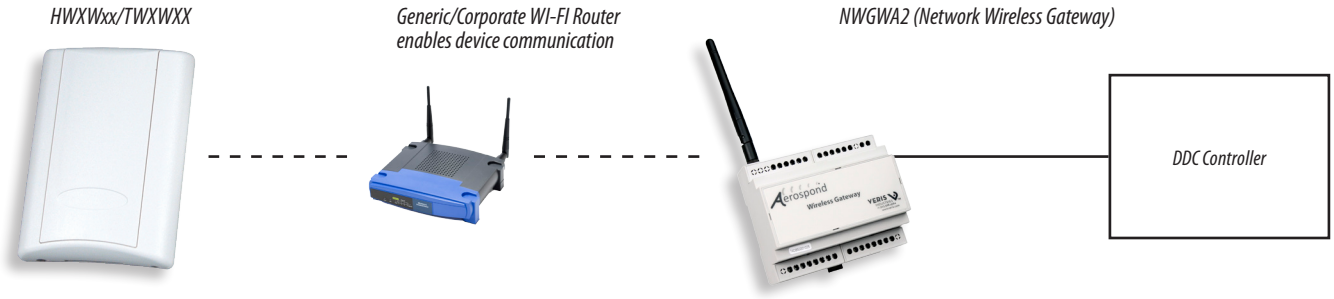
- Choose to monitor humidity only (HWXWHX), temperature only (TWXWXX), or both in one device (HWXWHT)...application flexibility
- Wall mount...easy installation in a low-profile housing
- Simple to power...AA battery power with up to five year life (with transmission interval set at 5 minutes)
- Direct integration to a Veris Aerospond wireless gateway or JACE controller
- No wiring required...reduced labor and cost
- Fast installation...reduced downtime for deployment

SPECIFICATIONS

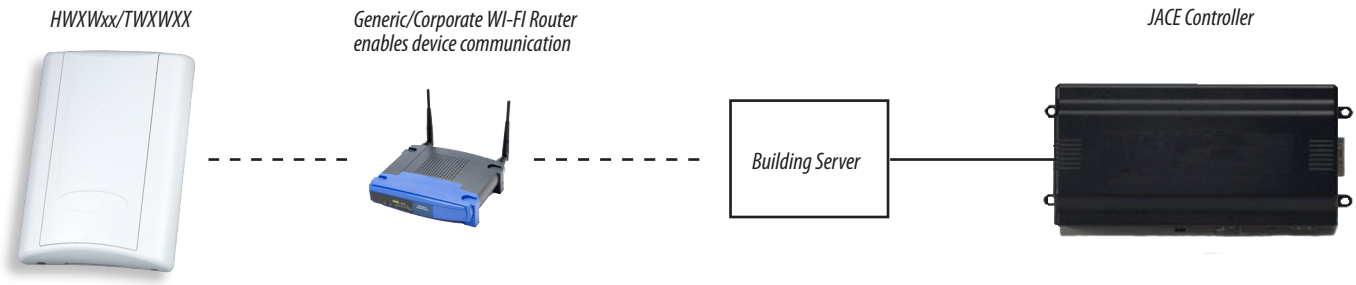
Inputs:	
Input Voltage	Two 1.5 V AA lithium/iron disulfide batteries (3000 mAh minimum)
Setup	Pushbutton setup
Outputs:	
Wireless	802.11 B/G 2.4 GHz radio
Battery Indicator	Indicates low battery power (read by Gateway or JACE)
Temperature Output Range	Configurable in software: 0° to 50°C (32° to 122°F) or 10° to 35°C (50° to 95°F)
Accuracy:	
Temperature	±0.75°C (typical)
Humidity	±2% of full scale @ 25°C
Operating Environment:	
Operating Temperature Range	0°C to 50°C (32°F to 122°F)
Operating Humidity Range	0 to 95% RH nonconde-nsing
Storage Temperature Range	-40°C to 50°C (-40°F to 122°F)
Agency Approvals	EN61010-1; ETL; CE

APPLICATION/WIRING DIAGRAMS

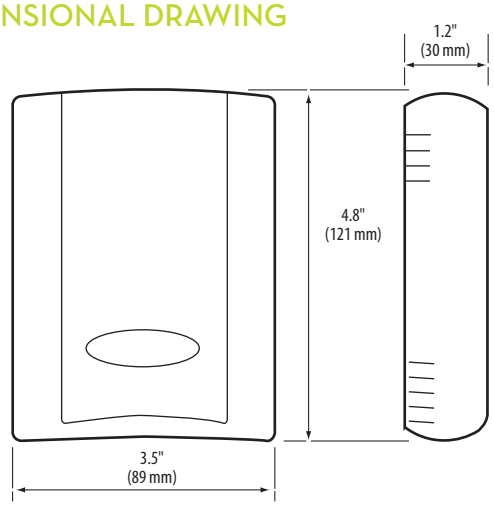
Option 1: Integration to Building Control Using a Network Wireless Gateway



Option 2: Direct Integration Using a JACE Controller



DIMENSIONAL DRAWING



ORDERING INFORMATION

	Local Display	Wireless	RH Option	Temp. Option
HW	X	W		
	= No Display	= Wireless	**1** = RH 1% NIST **2** = RH 2% NIST **H** = RH 2%	**X** = No temp. **T** = Temp. transmitter

	Local Display	Wireless	
TW	X	W	XX
	= No Display	= Wireless	

ACCESSORIES

Programming Cable (AWB01)