

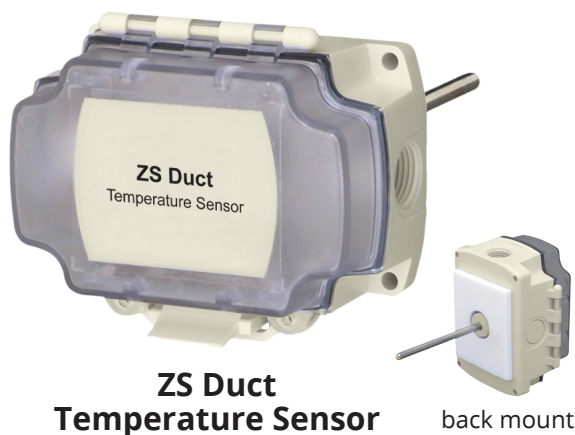
ZS Duct Sensors

AUTOMATEDLOGIC
United Technologies

Communicating Duct Sensors

The Automated Logic® ZS line of communicating duct sensors are designed to measure the air temperature and/or humidity in ductwork. All duct sensors feature closed cell foam to seal the insertion hole and to absorb vibration. Mounting tabs allow for easy installation onto the wall of the duct. The units are built to withstand high humidity and condensation environments.

The ZS duct sensors connect directly to the dedicated sensor network (Rnet) of an Automated Logic controller. This communicating sensor network supports up to 15 ZS sensors through a single port, eliminating the need to consume multiple inputs on the controller.



The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to reduce energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.



ZS Duct Sensors

Specifications

Sensing Element	Range	Accuracy
Temperature (sensing element)	20° to 120° F (-5° C to 50° C)	±0.36° F (0.2° C)
Temperature (system)	20° F to 120° F (-5° C to 50° C)	±0.9° F (0.5° C)
Humidity	10% to 90%	Humidity calibrated at 73° F / 23° C ±2.0% typical - Less than 0.5% drift per year
Power Requirements	12 Vdc @ 6mA	
Power Supply	A controller supplies the Rnet sensor network with 12 Vdc @ 210 mA. Additional power may be required for your application. See ZS Sensor Installation Guide	
Communication	115 kbps Rnet connection between sensor(s) and controller 15 sensors max per Rnet network; 5 sensors max per control program	
Local Access Port	For connecting a laptop computer to the local equipment for maintenance and commissioning	
Environmental Operating Range	-40° to 158° F (-40° to 70° C), 0% to 100% relative humidity, non-condensing	
Enclosure	Material Polycarbonate, UL94V-0	Rating NEMA 4, IP66, UV rated
Probe Dimensions	Temperature Only 304 SS 0.25" (0.64 cm) Diameter Length specific to part ordered	Temperature / Humidity ABS with SS Filter 1.0" (2.5 cm) Diameter 5.3" (13.5 cm) Length
Mounting	Duct mount with #8 sheet metal screws	
Listed By	FCC Part 15-Subpart B-Class B, CE	

Part # (Back Mounting)	Part # (Side Mounting)	Description	Sensing	Probe Length
ZSD-B-4-6-B	ZSD-S-4-6-B	ZS Duct, Temp Only, 4" probe	Temp	4" (inches)
ZSD-B-8-6-B	ZSD-S-8-6-B	ZS Duct, Temp Only, 8" probe	Temp	8" (inches)
ZSD-BH-6-6-B	ZSD-SH-6-6-B	ZS Duct, Temp + Humidity	Temp/Humidity	6" standard
ZSA-B-8-6-B	ZSA-S-8-6-B	ZS Averaging, 8' probe	Temp	8' (feet)
ZSA-B-12-6-B	ZSA-S-12-6-B	ZS Averaging, 12' probe	Temp	12' (feet)
ZSA-B-24-6-B	ZSA-S-24-6-B	ZS Averaging, 24' probe	Temp	24' (feet)

All trademarks used herein are the property of their respective owners.

1150 Roberts Boulevard, Kennesaw, Georgia 30144
770-429-3000 Fax 770-429-3001 | www.automatedlogic.com

AUTOMATEDLOGIC
 United Technologies