

# ZS Outdoor Air Sensors

**AUTOMATEDLOGIC**  
United Technologies

## Communicating Outdoor Air Sensors

The Automated Logic® ZS line of communicating outdoor air sensors are designed to measure the air temperature and/or humidity outdoors. Designed for outdoor mounting, the UV-resistant plastic shield keeps the sensor out of the sunlight and allows for excellent air circulation. These outdoor sensors have etched Teflon® lead wires and can withstand high humidity and condensation environments. They are made to perform in a wide range of temperature and moisture conditions.

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.

**ZS Outdoor  
Temperature Sensor**



**ZS Outdoor  
Temperature/Humidity Sensor**



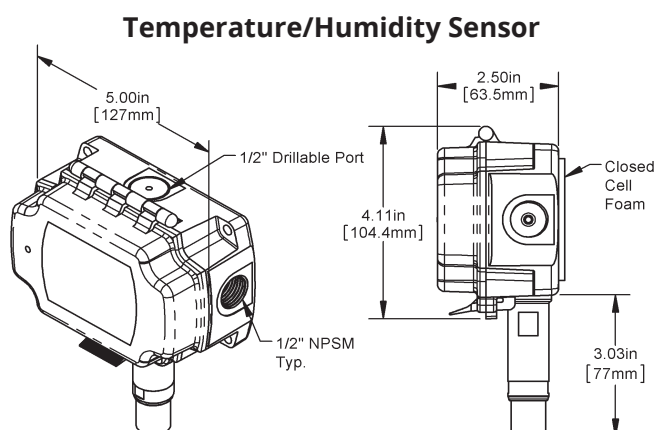
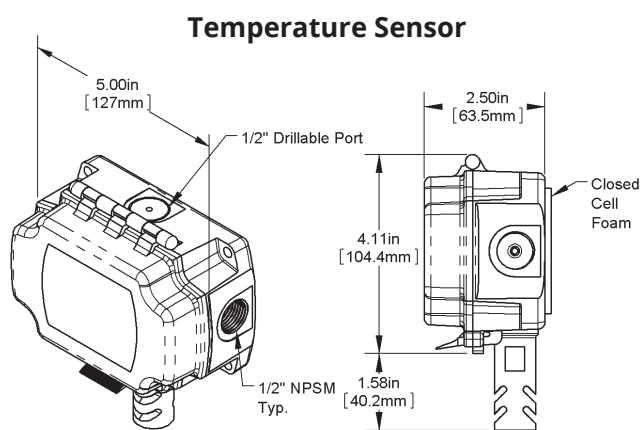
The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to reduce energy consumption, increase occupant 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.



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## Specifications

<b>Sensing Element</b> Range	<b>Range</b> -40° to 158°F (-40° to 70°C)	<b>Accuracy</b> ±1.3°F (0.72 C)
Humidity	10% to 90%	±2.0% typical at less than 0.5% drift per year. Calibrated at 73.4°F (23°C).
<b>Power Requirements</b>	12 Vdc @ 6mA	
<b>Power Supply</b>	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	
<b>Communication</b>	115 kbps Rnet connection between sensor(s) and controller 15 sensors max per Rnet network; 5 sensors max per control program	
<b>Local Access Port</b>	For connecting a laptop computer to the local equipment for maintenance and commissioning	
<b>Enclosure</b>	<b>Material</b> Polycarbonate, UL94V-0	<b>Rating</b> NEMA 4, IP66, UV rated
<b>Mounting</b>	Wall mount with #8 sheet metal screws	
<b>Listed By</b>	FCC Part 15-Subpart B-Class B, CE	



**Enclosure Dimensions:** W = 5.0" (12.7 cm) H = 4-3/32" (10.4 cm) D = 2-1/2" (6.35 cm)

Part # (Side Mounting)	Description	Sensing	Probe Length
ZSO-S-2-6-B	ZS Outside Air Sensor, Temp Only. Protective sheath covering in IP66 enclosure.	Temp	2" (inches)
ZSO-SH-2-6-B	ZS Outside Air Sensor, Temp + Humidity (2%) in IP66 enclosure	Temp/Humidity	4" (inches)

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