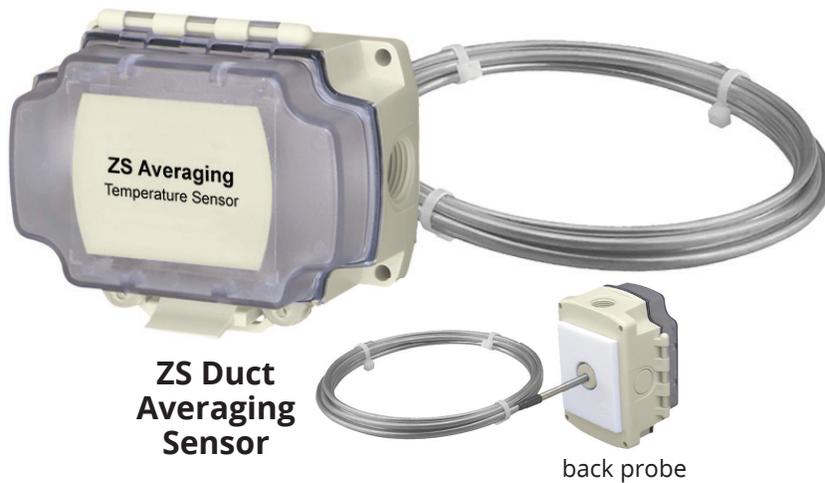


ZS DUCT SENSORS - Communicating

The OEMCtrl® line of ZS sensors communicates on Rnet, the dedicated sensor network. This reduces the number of inputs needed on the controller and provides the added benefit of simplifying I/O wiring by allowing for daisy-chaining of sensors on the Rnet. All duct units feature closed cell foam to seal the insertion hole and absorb vibration, and are built to withstand high humidity and condensation environments. The mounting tabs allow for easy installation to the wall of the duct.

Designed to work with all OEMCtrl controllers, the ZS communicating sensor line includes zone sensors, duct sensors, averaging sensors, immersion sensors, clamp-on sensors, and outdoor air sensors.

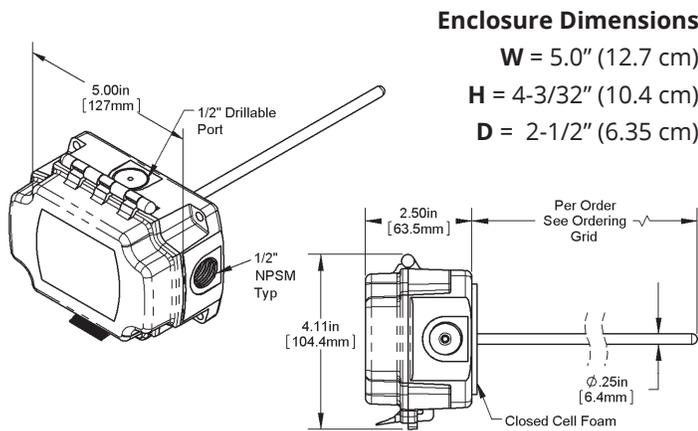


Part # (Back Probe)	Part # (Bottom Probe)	Description	Sensing	Probe Length
ZSD-B-4-6-B	ZSD-S-4-6-B	ZS Duct, Temp Only, 4" probe	Temp	4" (inches)
ZSD-B-8-6-B	ZSD-S-8-6-B	ZS Duct, Temp Only, 8" probe	Temp	8" (inches)
ZSD-BH-6-6-B	ZSD-SH-6-6-B	ZS Duct, Temp + Humidity	Temp/Humidity	6" standard
ZSA-B-8-6-B	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)

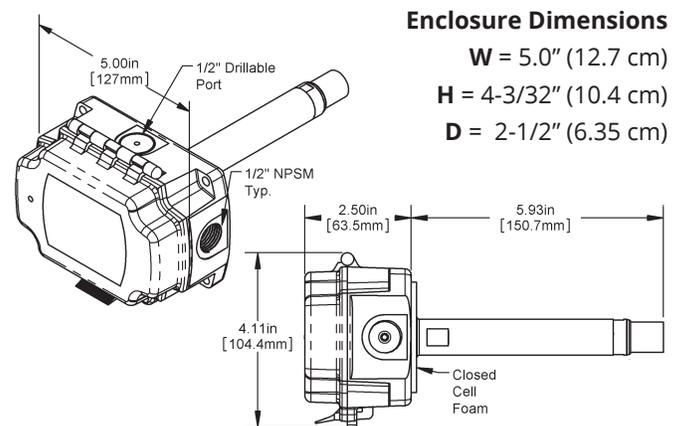
Specifications

Sensing Element	Range	Accuracy	
Temperature (sensing element)	20° F 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 @ 6 mA		
Power Supply	A controller supplies the Rnet sensor network with 12 Vdc @ 210 mA. Additional power may be required for your application. See ZS Sensors Installation Guide		
Communication	115 kbps Rnet connection between sensor(s) and controller 15 sensors max per Rnet network; 5 sensors max per control program		
Environmental Operating Range	-40° F 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	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	Averaging Bendable aluminum 3/16" diameter
Mounting	Duct mount with #8 sheet metal screws		
Listed By	FCC Part 15-Subpart B-Class B, CE		

Temperature Only



Temperature / Humidity



*Enclosure Dimensions are the same on averaging sensors



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