



i-Vu® Building Automation System ZS Outdoor Air Sensors

Part Numbers: ZSO-S-2-6-B
ZSO-SH-3-6-B



The i-Vu® Building Automation System provides everything you need to access, manage, and control your building, including the powerful i-Vu user interface, plug-and-play BACnet controllers, and state-of-the-art Carrier equipment.

The Carrier 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 outdoor air sensors connect directly to the dedicated sensor network (Rnet) of a Carrier i-Vu 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

Part # (Side Mounting)	Description	Sensing	Probe Length
ZSO-S-2-6-B	ZS Outside Air Sensor, Temp Only. Protective sheath covering in IP65 enclosure	Temp	2" (inches)
ZSO-SH-3-6-B	ZS Outside Air Sensor, Temp + Humidity (2%) in IP65 enclosure	Temp/Humidity	4" (inches)

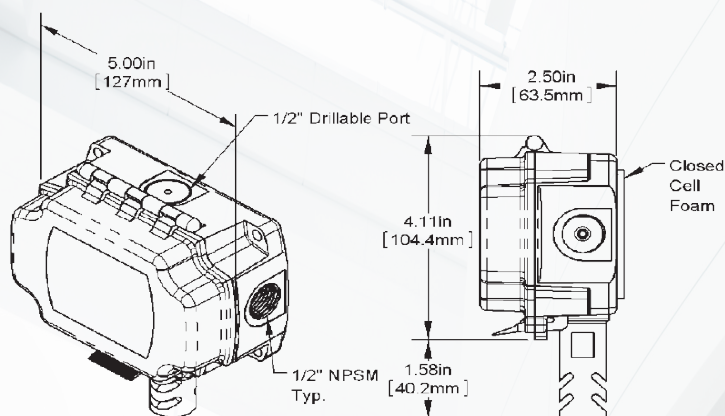


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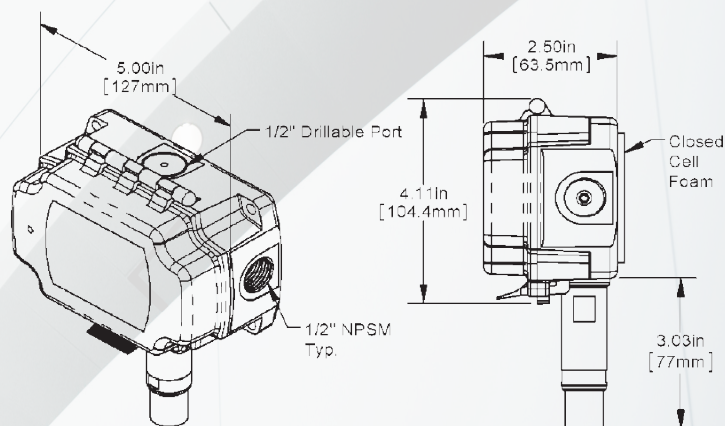
Specifications

Sensor	Temperature	Range:	-40° to 158°F (-40° to 70°C)
		Accuracy:	±1.3°F (0.72°C)
	Humidity	Range:	10% to 90%
		Accuracy:	±2.0% typical at less than 0.5% drift per year. Calibrated at 73.4°F (23°C)
Enclosure material	Polycarbonate, UL94V-0		
Enclosure rating	NEMA 4, IP66, UV rated		
Probe	<ul style="list-style-type: none"> Temperature sensor probe: Vented polycarbonate shield, .5 in. (1.27 cm) OD 1.2 in. (3.05 cm) Temperature/humidity sensor probe: ABS with SS filter 1.0 in. (2.5 cm) diameter 2.4 in. (6.1 cm) length 		
Enclosure dimensions	Width:	5 in. (12.7 cm)	
	Height:	4.15 in. (10.54 cm)	
	Depth:	2.5 in. (6.35 cm)	
Sensing element shield	Vented polycarbonate shield 0.5 in. (1.27 cm) outside diameter 1.2 in. (3.05 cm) long with 1/2 in. NPT threads		
Power requirements	12 Vdc @ 6 mA		
Power supply	The 4-conductor Rnet cable from a controller supplies +12 Vdc @ 210 mA. For additional power, use an external power supply. Use the above power requirements to calculate the size of the external power supply. The controller and the external power supply must share a common ground.		
Communication	115 kbps		
Mounting	3/16 in. holes		
Listed by	FCC Part 15-Subpart B-Class B, CE		

Temperature Sensor



Temperature/Humidity Sensor



Enclosure Dimensions:

- Width:** 5.0" (12.7 cm)
- Height:** 4-3/32" (10.4 cm)
- Depth:** 2-1/2" (6.35 cm)



CONTROLS EXPERT

Tested. Certified. Factory Authorized.

**For more information, contact
your local Carrier Controls Expert.**

Controls Expert Locator:
www.carrier.com/controls-experts

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