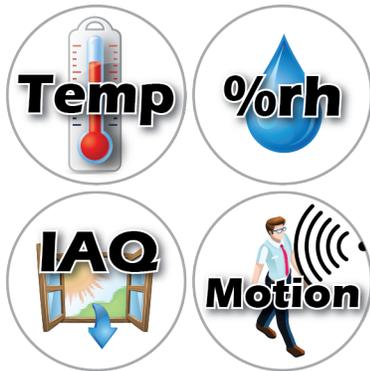


ZS SENSORS - Communicating Sensors

The OEMCTRL line of intelligent zone sensors provides the function and flexibility you need to manage the conditions important to the comfort and productivity of the zone occupants. The ZS sensors are available in a variety of zone sensing combinations to address your application needs. These combinations include temperature, relative humidity, and indoor air quality (carbon dioxide or VOCs (Volatile Organic Compounds)). They are built to be flexible allowing for easy customization of what the user/technician sees. Designed to work with all OEMCtrl controllers the ZS sensor line includes the ZS Standard, ZS Plus, ZS Pro and ZS Pro-F.

Combination Sensing

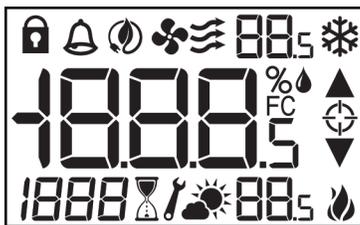


Features	ZS Standard	ZS Plus	ZS Pro	ZS Pro-F	
Temp, CO ₂ , Humidity, and VOC Options	√	√	√	√	
Neutral color	√	√	√	√	
Addressable / supports daisy-chaining	√	√	√	√	
Hidden communication port	√	√	√	√	
Mounts on a standard 2" by 4" electrical box	√	√	√	√	
Occupancy status indicator		√	√	√	
Push-button occupancy override		√	√	√	
Setpoint adjust		√	√	√	
Large, easy- to-read LCD			√	√	
Alarm indicator			√	√	
Motion Sensing			√		
Fan speed control				√	
Cooling / Heating / Fan Only - Mode Control				√	
°F to °C conversion button				√	
Options/Part Numbers	ZS Standard	ZS Plus	ZS Pro	ZS Pro (motion)	ZS Pro-F
Temperature Only	ZS2-BNK	ZS2PL-BNK	ZS2P-BNK	ZS2P-M-BNK	ZS2PF-BNK
Temp with CO ₂	ZS2-C-BNK	ZS2PL-C-BNK	ZS2P-C-BNK	ZS2P-CM-BNK	ZS2PF-C-BNK
Temp with Humidity	ZS2-H-BNK	ZS2PL-H-BNK	ZS2P-H-BNK	ZS2P-HM-BNK	ZS2PF-H-BNK
Temp with VOC	ZS2-V-BNK	ZS2PL-V-BNK	N/A	N/A	N/A
Temp, Humidity, CO ₂	ZS2-HC-BNK	ZS2PL-HC-BNK	ZS2P-HC-BNK	ZS2P-HCM-BNK	ZS2PF-HC-BNK
Temp, Humidity, VOC	ZS2-HV-BNK	ZS2PL-HV-BNK	N/A	N/A	N/A

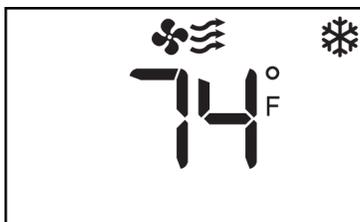
Specifications

Sensing Element	Range	Accuracy
Temperature (on non-Humidity models)	-4° to 122° F (-20° C to 50° C)	±0.35° F (0.2° C)
Temperature (on Humidity models)	50° F to 104° F (10° C to 40° C)	±0.5° F (0.3° C)
Humidity	10% to 90%	±1.8% typical
CO ₂	400 to 1250 PPM 1250 to 2000 PPM	±30 PPM or ±33% of reading (greater of two) ±5% of reading plus 30 PPM
VOC	0 to 2000 PPM	±100 PPM
Power Requirements	Sensor Type	Power Required
Temperature Only Temperature with Humidity	All Models	12 Vdc @ 8mA
Temp with VOC, or Temp/VOC/Humidity	All Models	12 Vdc @ 60mA
Temp with VOC, or Temp/CO ₂ /Humidity	All Models	12 Vdc @ 15mA (idle) up to 190 mA (during CO ₂ measurement cycle)
Power Supply	A controller supplies the Rnet sensor network with 12 Vdc @ 210 mA. Additional power may be required for your application. See sensor ZS 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	32° to 122° F (0° - 50° C), 10% to 90% relative humidity, non-condensing	
Mounting	Standard 4"x 2" electrical box using provided 6/32" x 1/2" mounting screws	
Motion Sensing	Sensor Type: PIR, Distance: 5 m, Detection range (HxV) 100° x 82° Movement speed: 0.8 to 1.2 m/s Detection object: 700 x 250 mm	

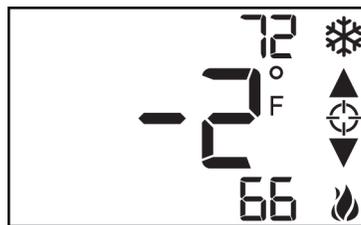
ZS Pro Display - All Segments



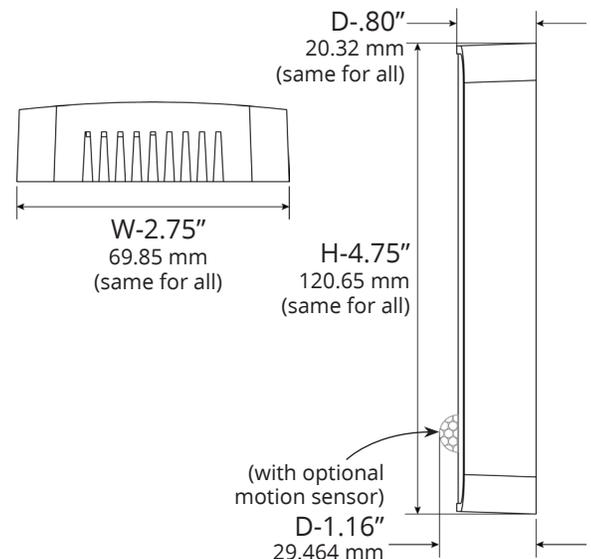
Home Screen



Setpoint Adjust



Info Screen - CO₂



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