



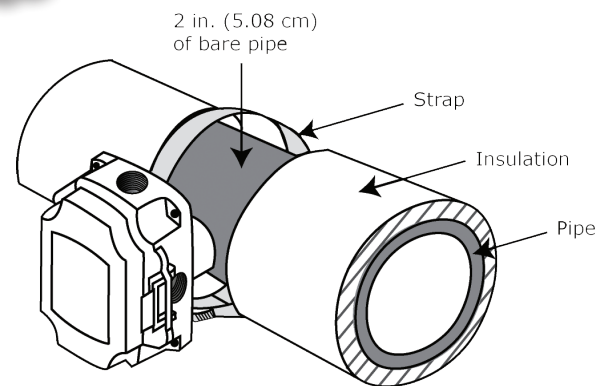
i-Vu® Building Automation System ZS Clamp-On Sensors



The Carrier communicating ZS clamp-on strap sensor is designed to monitor water temperature in retrofit or filled pipe applications. This sensor has a bendable copper sensing plate that forms to the curvature of the pipe, along with an adjustable hose clamp that holds the unit in place around the pipe. It measures the water temperature by sensing the surface temperature of the pipe.



The ZS clamp-on strap sensor connects directly to the dedicated sensor network (Rnet) of a Carrier i-Vu controller. This communicating sensor network supports up to 15 x ZS sensors through a single port, eliminating the need to consume multiple inputs on the controller.



ZS Clamp-On Sensors



Part # (Back Mounting)	Description	Fits
ZSS-B-2-6-B	ZS Clamp-on, Temp Only	2 in. to 4.5 in. pipe diameter (51 mm to 114 mm)

Specifications

Sensor	Range 20° to 120° F (-5° to 50° C) Accuracy ±0.9° F (0.5° C)
Enclosure Material	Polycarbonate, UL94V-0
Enclosure Rating	NEMA 4, IP66, UV rated
Sensor Pad	1.25 in. (3.18 cm) diameter copper
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	.5 in. (1.27 cm) stainless steel worm gear hose clamp
Regulatory	FCC Part 15-Subpart B-Class B, CE

Dimensions

Enclosure

Width: 5 in. (12.7 cm)

Height: 4.15 in. (10.54 cm)

Depth: 2.5 in. (6.35 cm)

