

Technical Data Sheet

Dual-Bead Temperature Sensors and Backup Manager

In the event the Manager unit experiences a panel failure or communication loss, the Edge's new Dual-Bead temperature sensors will automatically transfer the Manager function to the Backup Manager. This automatic transfer feature only needs one dual-bead sensor to function instead of using a Modbus transmitter and two separate sensors. This not only saves money on installations, but also reduces downtime and maintenance.

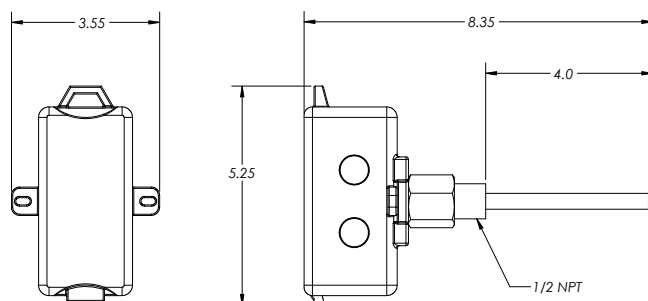
Dual Bead Sensors

AERCO's Dual-Bead sensors give your boiler plant the ability to take advantage of the Edge Controller's Backup Manager feature. These sensors have dual internal temperature sensors in a single well or enclosure, simplifying installation. Each dual-bead temperature sensor is wired to both the Manager and Backup Manager boilers.

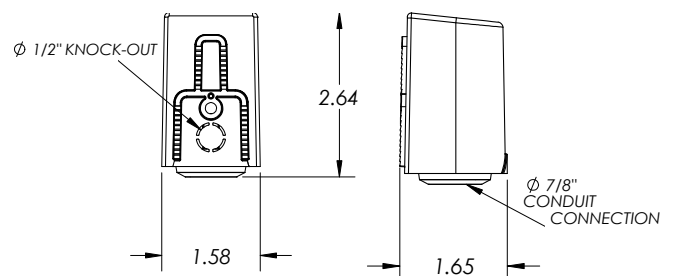
Backup Manger

The Edge BST Backup Manager feature monitors the assigned Manager Boiler operation of the plant until that boiler is turned Off for service or loses communication to the remaining boilers. The Backup Manager Boiler will then automatically take over and become the new manager without any external intervention. This helps keep your boiler plant running at peak efficiency at all times.

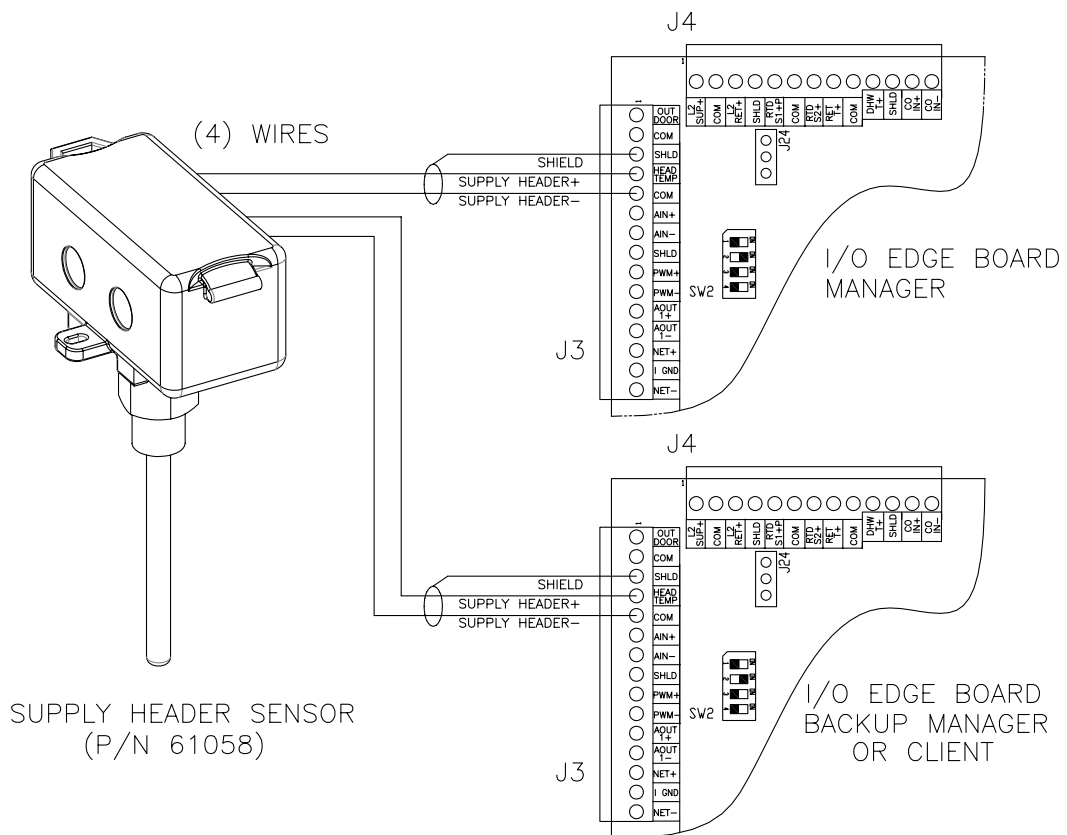
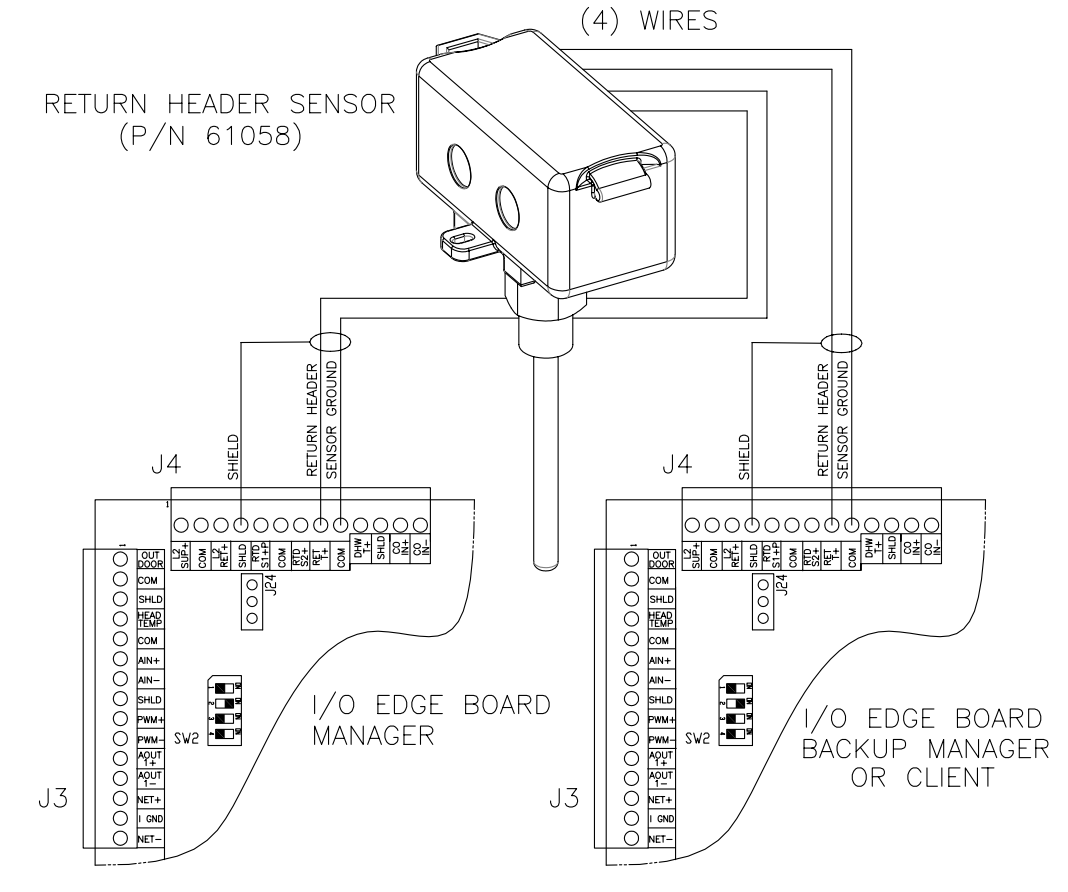
Dual-Bead Header Temperature Sensor (#61058)

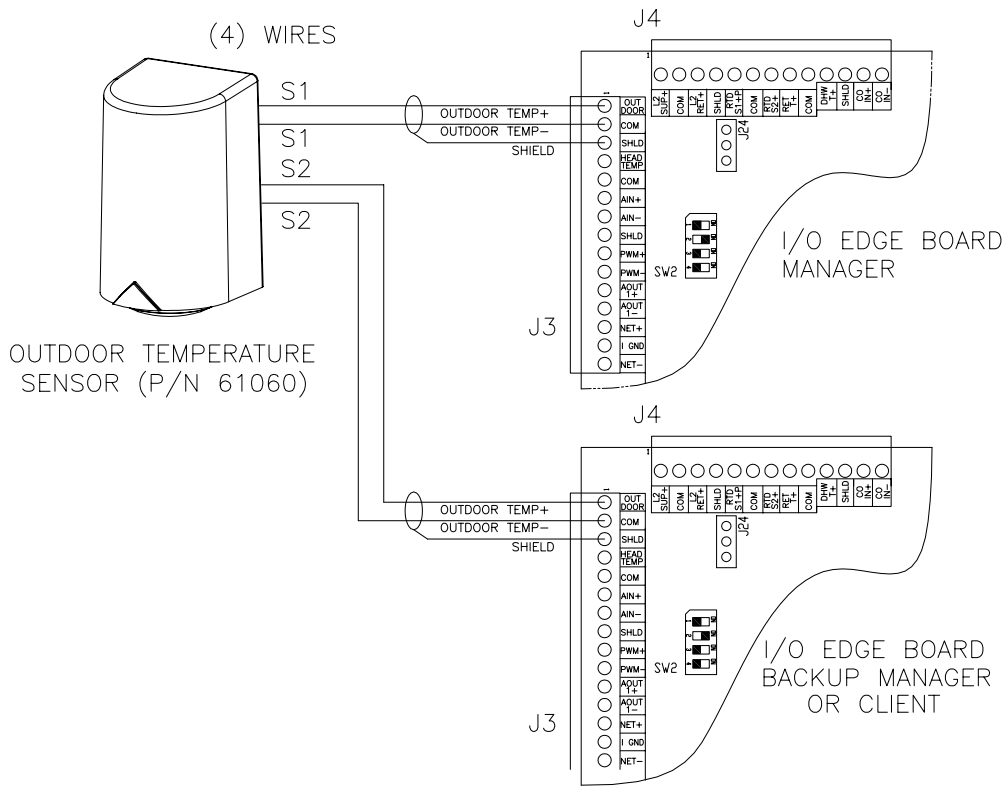


Dual-Bead Outdoor Temperature Sensor (#61060)



Each sensor connects to both the Manager and Backup Manager boilers.





Header Sensor Specifications

Header Temperature Sensor Type	Platinum RTD PT1000	Outdoor Temperature Sensor Type	Platinum RTD PT1000
Operating Temp. Range	-40°F to 240°F	Operating Temp. Range	-40°F to 140°F
Accuracy	± 0.1%	Accuracy	± 0.1%
Probe Dimensions	Dia = 0.25" Length = 4"		
Elements per Probe	2 RTD elements. Each element has two wires	Elements per Sensor	2 RTD built-in elements. Each element has two terminals
Well Material	304 SS		
Well Thread	Male ½" NPT	Conduit Connection	Bottom 7/8"
Enclosure	Plastic UL94-HB	Enclosure	White PVC plastic, NEMA type 2