

C7150 Mixed Air Sensor



C7150 Solid State mixed air sensor is used with Honeywell economizer logic modules and W973 and M7415 to proportion outdoor and return air dampers in economizer systems.

- Uses thermistor sensing element in ventilation duct systems
- Negative temperature coefficient (NTC) causes resistance to decrease as sampled air temperature increases
- Resistance change used as in input to control W973 and M7415
- Requires no settings or calibration
- Mounts on duct surface with four screws (not supplied)

Application: Temperature Mixed Air
Dimensions, Approximate: 2 in. high, 2 1/2 in. wide, 3/4 in. deep
 (51 mm high x 64 mm wide)
Sensor Type: 3000 ohms @ 25C NTC
Color: Black

Mounting: Mount on a mounting bracket (not included) inside the mixed air or discharge air duct
Operating Temperature Range: 40 F to 110 F (4 C to 43 C)
Electrical Connections: 1/4 in. (6 mm) quick-connect terminals
Approvals
CE: Report: GV97-011
Underwriters Laboratories, Inc: Component Recognized

Product Number	Application Type	Maximum Ambient Temperature		Description	Used With
		(F)	(C)		
C7150B1004/U	Duct mixed or discharge air	250 F	121 C	Electronic Temperature Sensor	W973 and M7415; W7210, W7212, W7213, W7214, W7215, W7459, W7460

C7250 Temperature Sensor



The C7250 Mixed Air sensor is designed for use as a 20k input to a controller for mixed air temperature in rooftop packaged air conditioning equipment.

A separate controller such as the JADE™ Economizer System (Model W7220) provides power and communications for the C7250 Mixed Air sensor.

Application: Electronic 20K temperature sensor
Dimensions, Approximate: 4.25 in high x 2.17 in wide x .81 in deep
 (108 mm high by 55 mm wide x 20.5 mm deep)
Sensor Type: 20K NTC
Color: Gray
Mounting: Mounted in any position where it is exposed to freely circulating air
Operating Temperature Range: -40 F to 150 F (-40 C to 66 C)

Operating Humidity Range (% RH): 11 to 89% RH
Electrical Connections: 2-pin header-pin style or 2-pin card edge removable terminal blocks
Approvals
Underwriters Laboratories, Inc: Component Recognized

Product Number	Application Type	Maximum Ambient Temperature		Description	Used With
		(F)	(C)		
C7250A1001/U	A 20k temperature sensor intended for sensing mixed or discharge air in roof top packaged air conditioning equipment used with a W7220 economizer controller	150 F	66 C	Electronic 20k temperature sensor	W7220