

# Temperature Sensors

## C7130 Wall Mount Temperature Sensor



The C7130A,B Wall-Mount Air Temperature Sensors provide the input required by the R7380J,L, W7100, W7600, W7620, and Excel 500 Control Systems to sense air temperature in indoor spaces.

- C7130A Wall-mount Temperature Sensor:
  - Intended for use as an indoor air sensor with the R7380J,L Indicating Controller, the W7100 Discharge Controller, the W7600 Direct Digital Controller, and the W7620 Direct Digital Controller.
- C7130B Wall-mount Temperature Sensor:
  - Intended for use as an indoor air sensor with the Excel 500 Controller.

**Application:** Intended for monitoring or controlling temperature in conjunction with an electronic control

**Dimensions, Approximate:** 2 13/16 in. high x 4 5/8 in. wide (71.4mm high x 118 mm wide)

**Maximum Ambient Temperature:** 150 F (66 C)

**Operating Temperature Range:** -40 F to +100 F (-40 C to +38 C)

**Shipping Temperature Range:** -40 F to +150 F (-40 C to +65 C)

**Mounting:** Wall mount

Product Number	Description	Sensor Type	Used With
C7130A1001/U	PT 3000 Temperature Sensor	PT3000, 3484 ohms @ 77 F PTC	R7380J,L, W7100, W7600, W7620
C7130B1009/U	PT 1000 Temperature Sensor	PT1000, 1097 ohms @ 77 F PTC	Excel 500, T775 Series 2000

## C7170 Immersion Sensor



Primary electronic temperature sensor for the R7380J,L, W7100 and W7505 load inputs for immersion, strap-on and duct mounting.

- Requires no setting or calibration.
- Sensor can be located up to 1195 ft. (340 m) from controller.
- Pigtail leads.

**Application:** Intended for monitoring or controlling temperature in conjunction with an electronic control

**Dimensions, Approximate:** 3/8 in. dia. x 2 5/8 in. long (10 mm dia. x 66 mm long)

**Operating Temperature Range:** -40 F to +250 F (-40 C to +125 C)

**Shipping Temperature Range:** -40 F to +302 F (-40 C to +150 C)

**Operating Humidity Range (% RH):** 90% RH at 90 F, non-condensing

**Mounting:** Immersion or strap-on discharge

Product Number	Description	Sensor Type	Insertion Length		Comments	Used With
			(inch)	(mm)		
C7170A1002/U	PT 3000 Temperature Sensor with 24 leads	PT3000, 3484 ohms @ 77 F PTC	3 in.	76 mm	24 in. pigtail leads; Use immersion well 121371A copper or 121371E steel.	R7380J,L, W7100, W7600, W7620
C7170A1010/U	PT 3000 Temperature Sensor with 180 leads	PT3000, 3484 ohms @ 77 F PTC	3 in.	76 mm	180 in. pigtail leads; Use immersion well 121371A copper or 121371E steel.	R7380J,L, W7100, W7600, W7620
C7170B1000/U	PT 1000 Temperature Sensor	PT1000, 1097 ohms @ 77 F PTC	3 in.	76 mm	Use immersion well 121371A copper or 121371E steel.	Excel 500, T775 Series 2000