

Outside Sensor w/ BELL Enclosure



TS-3200-DD Series

Features

- * NEMA 3R Rated Enclosure
- * 1/2" NPT Threaded Condulets
- * Corrosion Resistant Enclosure
- * Extremely Reliable

Product Description

The **TS-3200-DD Series** single point outside temperature sensors have an output of 3K Ohms at 77°F (25°C) and 10K Ohms (Type II) at 77°F (25°C). These units may be used in indoor and outdoor applications in which the units must be mounted in a moisture or dust proof environment. The temperature sensors have an overall accuracy of ± 1.8°F (1.0°C) over the temperature range of 32 to 158°F (0 to 70°C).

All of the outside temperature sensors shall have two 22 AWG colored Etched Teflon lead wires for making all of your field connections. Please note that the **TS-3200-DD Series** outdoor temperature sensors are both non-polarity and position sensitive when mounting the units. Each single point thermistor sensor is encapsulated in a thermally conductive epoxy that will withstand high operating temperatures and will protect the sensor from condensation or moisture.

All of these sensors should be used in environments where the normal operating temperature will be between -40 to 212°F (-40 to 100°C).

There are a number of applications in which the **TS-3200-DD Series** may be used to monitor and control the building temperature. A few of the most common applications include:

- Monitoring Outdoor Air Temperature
- Monitoring Cold Storage Facilities Air Temperature
- Monitoring Temperature in Applications where Wash downs may occur

All of these units come with a two-year warranty. For more information regarding these products, please contact ACI at the numbers listed below, or visit our website address at www.workaci.com for all of the up to date product literature

Product Specifications

Output	3K Ohms @ 77°F (25°C) 10K Ohms (Type II) @ 77°F (25°C)	Dissipation Constant	3mW / °C
Operating Temp. Range	-40 to 212°F (-40 to 100°C)	Accuracy	+/- 1.0°C (0 to 70°C)
Interchangeability	+/- 0.2°C (0 to 70°C)	Operating Humidity Range	0 to 90% RH non-condensing

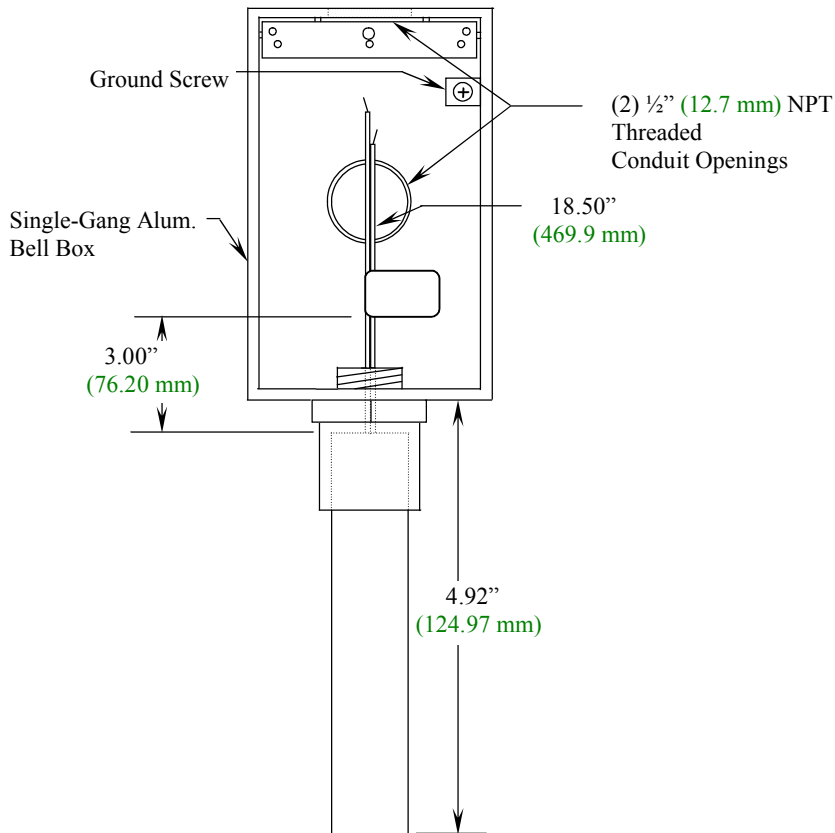
2305 Pleasant View Rd. ● Middleton Industrial Park ● Middleton, WI 53562

www.workaci.com

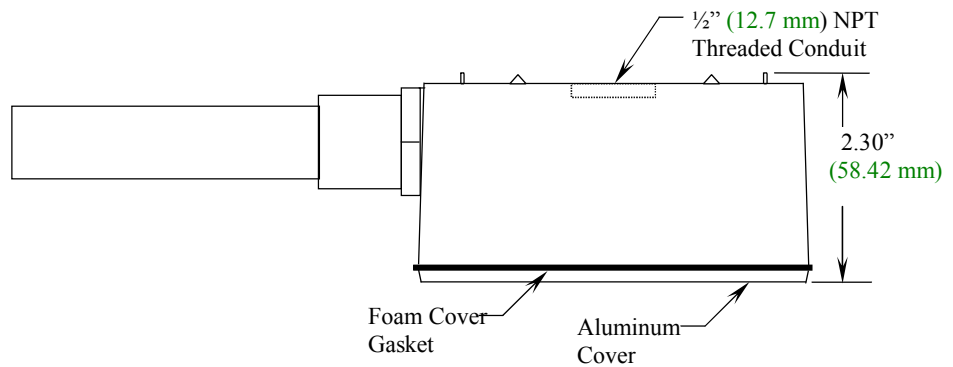
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Dimensions



Temp. C	Temp. F	3K (R Ohms)	10K (Type II) (R Ohms)
-40	-40	100,935.00	336,450.00
-30	-22	53,164.50	177,207.53
-20	-4	29,172.86	97,236.73
-10	14	16,623.95	55,409.40
0	32	9,808.20	32,692.05
10	50	5,975.03	19,915.94
20	68	3,748.67	12,495.39
30	86	2,416.51	8,055.16
40	104	1,597.15	5,324.13
50	122	1,080.22	3,601.05
60	140	746.30	2,488.00
70	158	525.85	1,753.13
80	176	377.32	1,258.03
90	194	275.36	918.12
100	212	204.13	680.64
110	230	153.54	511.99
120	248	117.07	390.39
130	266	90.40	301.46
140	284	70.63	235.56
150	302	55.80	186.10



Ordering Information

Alerton Model #	Sensor Type	Wire Colors
TS-3200-DD-03-AA	3K Ohms	Blue / Blue
TS-3200-DD-10-AA	10K Ohms	Yellow / Yellow
TS-3200-DD-10-AA-HI	10K Ohms - HI	Orange / Orange

These units are manufactured for Alerton by Automation Components, Inc.

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