



Product Data

A/1035 Series

Silicon Temperature Sensors

Product Description

The A/1035 Series is a silicon-based PTC (Positive Temperature Coefficient) sensor with a reference temperature of 77°F (25°C) . These sensors provide a predictable output over a specified temperature range to meet the manufacturer's required input values.

The A/1035 Series are typically used in applications that include temperature sensing for freezers and coolers, room and duct, condenser fan cycling, and outdoor air.

This series is offered in numerous configurations. Please see ordering information on the reverse side of this page for more information.

The A/1035 Series is covered by ACI's Five (5) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's web site, which is: www.workaci.com.

Product Specifications

Sensor Output	1,035 Ohms @ 77°F (25°C)
Accuracy (0 to 70°C)	+/- 3%
Sensor Resolution	~ 4 ohms / °F (8 ohms / °C)
Operating Temperature Range	- 40 to 216 °F (-40 to 102°C)
Operating Humidity	0 to 95% RH non-condensing
Power Dissipation Constant	1 mW/°C

For sensors with Display option, see **LCD Series** Temp display cut sheet

Silicon Sensor



Attributes:

- Not polarity sensitive
- Double Potting Process avoids moisture issues
- System Specific Sensor

Applications:

- DDC Systems
- Refrigeration Systems
- OEM/Industrial
- Light Industrial
- Commercial Buildings



Made in the **USA**

Automation Components, Inc.

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Wiring Diagrams available at www.workaci.com

DISPLAYS

TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

AIR QUALITY

ACCESSORIES

Ordering Information

A/1035 (choose configuration below)

-Configuration		-Length		-Enclosure Type
D	(Duct)	4", 8", 12", 18"		PB, GD, BB, 4X, EH
DO	(Duct without Box)	4", 8", 12", 18"		-----
I	(Immersion w/ well)	2.5", 4", 6"		PB*, GD, BB, 4X, EH
INW	(Immersion no well)	2.5", 4", 6"		PB*, GD, BB, 4X, EH
S	(Strap)	-----		PB*, GD, 4X
O	(Outdoor Air)	-----		EH, BB, 4X
SP	(Stainless Plate)			
W	(Raw Potted Sensor)			
W-6'	(Raw w/ 6' Leads)			
BP	(Bullet Probe)			

Enclosure Key

PB = Plastic Box
GD = Galvanized Box
BB = NEMA 3R
4X = NEMA 4X
EH = Euro Housing (Weather tight)

Example: A/1035-D-4"-PB

*Please note that the -PB (Plastic Box) is rated to 140° F and may not be suitable for high temperature applications.

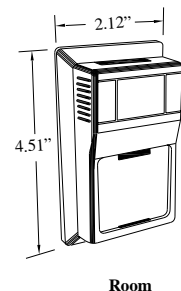
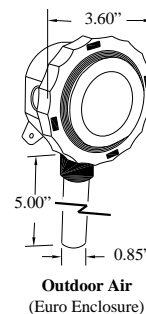
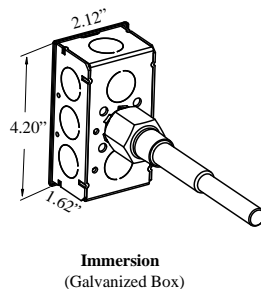
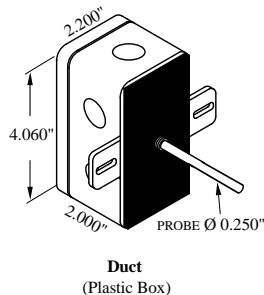
Room configurations:

Configuration	Communication Jack	Pot Value*	Setpoint Indicator*	Pot Action*	Display
-[]	-[]	-[]	-[]	-[]	-[]
R - Room	RJ4 (4 Pin RJ11)	400 5K	Cool Warm	DA (Direct)	() No Display (Standard)
RS* - Room w/ Setpoint	RJ6 (6 Pin RJ12)	1K 8.5K	55 to 85	RA (Reverse)	(DF) LCD Display (Degrees F)
RO - Room w/ Override	RS232 (Stereo Jack)	2K 10K	10 to 30°C		(DC) LCD Display (Degrees C)
RSO* - Room w/ Setpoint & Override		3K 20K			
		100K			

Room Sensors with* require setpoint specs (value, indication, and action) and are not listed on your packing slip or invoice.

Example: A/1035-RS 10K- Cool/Warm-DA

Standard enclosure defaults:



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