

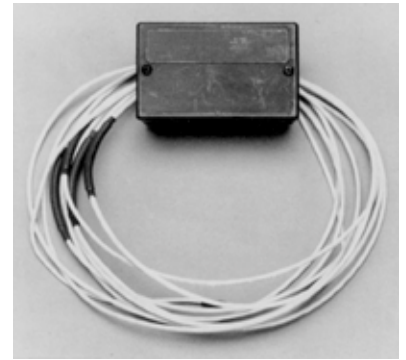
Infinity

Duct Averaging Temperature Sensor

Andover Controls Duct Averaging Temperature Sensors afford easy installation while at the same time providing accurate, reliable measurement of temperatures for use in an Andover controls building automation system. Each sensor is composed of a long, flexible plenum-rated cable, with a total of four or nine thermistor sensing elements encapsulated at equal distances along the length of the assembly. The complete array acts as a single sensor, averaging any temperature change across all sensors. The response time of any temperature change will be less than 20 seconds.

The sensor has a wide operating range of -30°F to 230°F (-34°C to 110°C), making it suitable for all types of duct temperature measurement.

The flexible cable assembly allows for easy installation in any size duct. Four lengths of probe are available: 12, 16, 20, and 24 feet. Each probe comes with 6" wire leads and a single-gang utility box for wiring terminations.



FEATURES

- Accurate, Reliable Type III Thermistor
- Flexible Probe for Easy Installation
- Up to Nine Thermistors for Maximum Averaging Accuracy
- FT6 Plenum CSA Rated Cable
- Four Different Probe Lengths Available

SPECIFICATIONS

GENERAL

Sensing Element:	Type III Thermistor, 10,000 ohms @ 77°F (25°C)
Number of Elements:	4 (12 ft. and 20 ft. sensors) 9 (16 ft. and 24 ft. sensors)
Range:	-30°F to 230°F (-34°C to 110°C)
Accuracy:	± .36°F (± .2°C)
Response Time:	Maximum of 20 seconds
Wiring Connections:	6" (152.4 mm) lead furnished with sensor. Use crimp-type butt splices or solder connections.
Wire Size:	18, 20, or 22 gauge, 2 conductor, unshielded
Maximum Distance to Sensor: (with less than .1° F error):	
<i>Temperatures below 75°F (23.88°C)</i>	1,550 ft. (143.99m) (22 gauge wire) 3,900 ft. (362.31m) (18 gauge wire)
<i>Temperatures above 160°F (71.11°C)</i>	125 ft. (11.61m) (22 gauge wire) 310 ft. (28.80m) (18 gauge wire)
Probe Lengths:	12, 16, 20, and 24 ft. (1.11, 1.86, 1.49, and 2.23m)

ORDERING INFORMATION

Duct Averaging Sensor, 12ft., 4 elements:	01-6013-039
Duct Averaging Sensor, 20ft., 4 elements:	01-6013-040
Duct Averaging Sensor, 16 ft., 9 elements:	01-6013-035
Duct Averaging Sensor, 24 ft., 9 elements:	01-6013-036

**Andover Controls Corporation
World Headquarters**
300 Brickstone Square
Andover, Massachusetts 01810
USA
Tel: 978 470 0555
Fax: 978 470 0946
<http://www.andovercontrols.com>

Andover Control GmbH
Am Seerhein 8
D-78467 Konstanz, Germany
Tel: 07531 99370
Fax: 07531 993710

Andover Controls S.A.
93 avenue de Fontainebleau
94270 Le Kremlin-Bicetre
Tel: 1 49 606363
Fax: 1 49 606271

Andover Controls Ltd.
Smisby Road
Ashby-de-la-Zouch
Leicestershire LE65 2UG,
England
Tel: 01530 417733
Fax: 01530 415436

Andover Controls Corporation
707 Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon, Hong Kong
Tel: 2739 5497
Fax: 2739 7350

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