

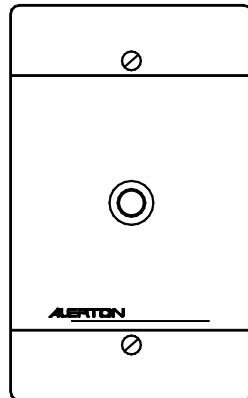


Tamper-proof Sensors

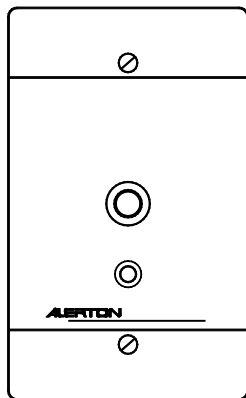
Wall Sensors ■



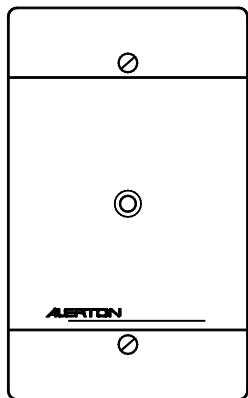
TS-1100BT



TS-1105BT



TS-1110BT



TS-1115BT

The Alerton® tamper-proof wall sensors house a sensitive thermistor temperature sensing element in an attractive, brushed stainless steel wallplate. The interchangeable, industrial grade thermistor changes resistance relative to temperature. Available options include an after-hours override push-button and a service jack.

All models connect to a BACtalk® VisualLogic® Controller (VLC) over a simple two-wire connection.

With the TS-1105BT and TS-1110BT, the occupant can activate after-hours operation with the wallplate pushbutton. Because the pushbutton sends a software signal to the VLC, which is fully programmable, you can program the pushbutton to perform other functions as well.

Features & Application Highlights

- **Reliable** A sensitive thermistor provides optimum accuracy with consistent temperature indication.
- **Flexible** Use the Microset Service Tool to connect to selected models and adjust setpoint ranges, after-hours override time, VAV box CFM setpoints, heat pump economizer setpoints and more.
- **Energy-efficient** Maintenance and energy costs are reduced with operator-established after-hours override time.
- **Attractive** Brushed stainless steel finish is stylish and durable.

You can use the BACtalk for Windows operator terminal or the Microset™ Service Tool to establish after-hours override times and limits, helping control a site's energy costs. The TS-1110BT and TS-1115BT have a jack that enables service personnel to configure system parameters with a hand-held Microset Service Tool. The service tool has a 5 ft. cable that plugs into the jack on the wallplate. Service personnel can use the tool to query and change setpoint ranges, after-hours override times, VAV box cfm setpoints, heat pump economizer setpoints and more.

Product Number

See drawings this page.

Tamper-proof Wall Sensors SPECIFICATIONS

Thermistor

Type	Uni-curve Type II.
Resistance	10K Ω at 77°F (22°C). See table below.
Interchangeability	0.36°F (0.2°C).
Time Constant*	10 seconds (to 66% of new temperature).
Stability*	0.036°F (0.02°C) drift per year.
Accuracy*	±0.36°F (0.2°C) over range of 32–158°F (0–70°C).

*Based on normal operating conditions.

Operating and Storage Range	32–158°F (0–70°C).
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Wiring	18–22 AWG, shielded.
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Wallplate Dimensions	4.5" (114mm) H X 2.75" (70mm) W X 0.2" (5mm) D.
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Finish	Brushed stainless steel.
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Thermistor Resistance at Selected Temperatures

Temperature	Resistance	Temperature	Resistance
35°F (1.7°C)	29,997 Ohms	90°F (32.2°C)	6,667 Ohms
40 (4.4)	26,100	95 (35.0)	6,530
45 (7.2)	22,799	100 (37.8)	5,827
50 (10.0)	19,900	105 (40.6)	5,207
55 (12.8)	17,437	120 (48.9)	3,757
60 (15.6)	15,313	125 (51.7)	3,380
65 (18.3)	13,477	130 (54.4)	3,047
70 (21.1)	11,883	135 (57.2)	2,720
75 (23.9)	10,500	140 (60.0)	2,488
80 (26.7)	9,297	145 (62.8)	2,250
85 (29.4)	8,250	150 (65.6)	2,040

Specifications subject to change without notice.

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