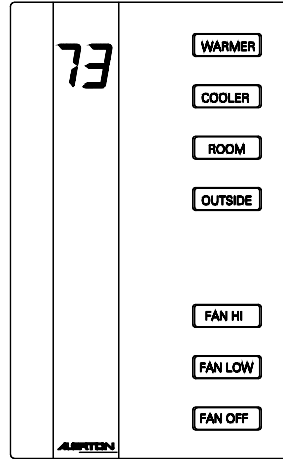
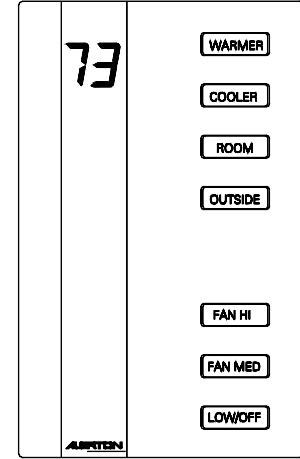
**MS-1010****MS-1020****MS-1030**

The Microset™ wall unit is an intelligent room controller used in Alerton® energy management and control systems. With a digital display and simple push-button controls, the Microset replaces the functions of a typical thermostat and can serve as both a tenant control center and a field service tool.

The Microset operates with the Alerton family of Terminal Unit Controllers (TUXs™). It connects to the TUX, which in turn connects directly to the mechanical equipment serving the zone. The TUX is an intelligent controller that can stand-alone or work in conjunction with Alerton's site-wide system. The TUX controls the amount of heating or cooling necessary to maintain setpoint and reports all zone functions to the system.

In tenant control mode, the Microset allows the tenant to change room temperature setpoint within limits established by the building operator. Each zone can have unique setpoint limits, and the tenant can view room and outside air temperature by pressing the appropriate buttons on the Microset. All temperatures can be displayed in degrees

Fahrenheit or Centigrade. The tenant can also select fan speed on Microsets that have multi-speed push-buttons.

If allowed by the operator, after-hours operation can be selected in increments of 0.1 hour, up to the limit established by the operator. In a site-wide system, after-hours operation can be recorded at the IBEX™ terminal for billing purposes.

The Microset's field service mode, activated with a special button sequence, enables maintenance personnel to interrogate and adjust control parameters in the TUX while in the zone, saving maintenance, labor and service time. In a site-wide system, these parameters can also be changed at the IBEX terminal.

Product Numbers

MS-1000 (Microset with blank buttons)
MS-1010 (Microset with 1-speed fan)
MS-1020 (Microset with 2-speed fan)
MS-1030 (Microset with 3-speed fan)

Specifications

Microset™

Thermistor	Uni-curve. 3KΩ at 77°F (25°C).
Dimensions	4.6" (117mm) H X 3.0" (76mm) W X 1.35" (34mm) D.
Alerton wiring	Standard 3-wire connection.
Operating Temperature	32–158°F (0–70°C).
Operating Humidity	0–90% RH, non-condensing.

Thermistor Resistance at Selected Temperatures

TEMP.	RESISTANCE
35° F (1.7° C)	8999Ω
40 (4.4)	7830
45 (7.2)	6840
50 (10.0)	5971
55 (12.8)	5231
60 (15.6)	4594
65 (18.3)	4043
70 (21.1)	3565
75 (23.9)	3150
80 (26.7)	2789
85 (29.4)	2475
90 (32.2)	2000
95 (35.0)	1959
100 (37.8)	1748
105 (40.6)	1562
120 (48.9)	1127
125 (51.7)	1014
130 (54.4)	914
135 (57.2)	825
140 (60.0)	746
145 (62.8)	675
150 (65.6)	612

Specifications subject to change without notice.



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