

AP-TMZ1600 Room Sensor

Description

The AP-TMZ1600 sensor is compact, with a Liquid Crystal Display (LCD) and keypad control selection. You can use the AP-TMZ1600 sensor with several controllers including the Variable Air Volume (VAV) controllers (Revision D or later), Unitary (UNT) controllers (Revision D or later), VAV Modular Assembly (VMA) controllers (Revision C00 or later). This compact room sensor provides a visual display of room conditions, and allows adjustments at the touch of a button.

The AP-TMZ1600 room sensor is easy to use and understand. It displays information to help occupants control their environment and uses a password level to provide additional control selections.

Features

- **LCD Display** Uses icons that are easy to understand and provide the user with a quick indication of operation. Nonglare bezel for easy viewing.
- **Keypad Control** Offers the user menu selections for optimal environmental control.
- **Password Level** Prevents user access to make adjustments and provides additional control options.
- **Temporary Occupancy or Mode Override** Provides a timed override command, which temporarily initiates an alternate mode. A Light-Emitting Diode (LED) indicates this alternate mode is active.
- **Sleek Appearance** Offers a compact style and blends with the environment.
- **Versatile Application** Works with the controllers used in most common Heating, Ventilating, and Air Conditioning (HVAC) applications. The TMZ1600 sensor works with the UNT, VMA, and VAV controllers.



AP-TMZ1600 Room Sensor with LCD Display

Applications

- UNT controllers, Revision D or later
- VAV controllers, Revision D or later
- VMA1200
- VMA1400, Revision C00 or later

Selection Chart

Code Number	Description
AP-TMZ1600-0	TMZ1600 Room Sensor with LCD Display (UNT, VAV, VMA)

Accessories

Code Number	Description
ACC-DWCLIP-0	Drywall Clip Mounting Kit (10/bag)
ACC-INSL-0 (a)	Room Sensor Wallbox Mounting Pad (10/bag)
ACC-INSL-1 (a)	Room Sensor Surface Mounting Pad (10/bag)
T-4000-119	Start Adjustment Tool

(a) These foam pads make installation easier when mounting a sensor on an uneven surface and prevent wall drafts from entering the wiring opening.

Cable Connections

Code Number	Description
Preconfigured Cables	
CBL-STAT25	Preconfigured 8-pin cable, 7.62 m (25 ft)
CBL-STAT50	Preconfigured 8-pin cable, 15.24 m (50 ft)
CBL-STAT75	Preconfigured 8-pin cable, 22.86 m (75 ft)
CBL-STAT100	Preconfigured 8-pin cable, 30.48 m (100 ft)
Cable Components	
CBL-24/8NAT-PLN	30.48 m (100 ft) roll of Plenum-rated cable

Technical Specifications

AP-TMZ1600 Room Sensor		
Operating Environment	TMZ1600: 0 to 50°C (32 to 122°F) 10 to 90% non-condensing humidity	
Storage Environment	-40 to 60°C (-40 to 140°F); 10 to 90% non-condensing humidity	
Input Supply Voltage	12 to 30 VAC or 12 to 40 VDC	
Input Current Required	10mA maximum	
Housing Material	ABS +polycarbonate, self-extinguishing UL 94-V0	
Housing Protection	IP 30 (IEC 529)	
Dimensions	80 x 80 x 32 mm (3.15 x 3.15 x 1.26 in.)	
Override Button	Momentary contact	
Mode Indicator	Red LED	
Temperature Sensor	Sensor Type	Nickel PTC
	Range	0 to 50°C (32 to 122°F)
	Reference Resistance	1000 ohm at 21.1°C (70°F)
	Accuracy	+/- 0.2°C (0.3°F) at 21.1°C (70°F); +/- 0.6°C (1°F) at 0 to 50°C (32 to 122°F)
Software	HVAC-PRO for Windows Release 8.01 or later (part of M-TOOL Release 2.0 [MSW-MTOOL-0])	
Agency Compliance	UL Listed, File E107041, CCN PAZX, UL916 cUL Listed, File E107041, CCN PAZX7, CSA C22.2 No. 205-M1983	
	CE Compliant to EMC Directive 89/336/EEC, EN50081-1 and EN50082-1	
	FCC Compliant to CFR47, Part 15, Class A	
	FCC Compliant to CFR47, Part 15, Class B (not applied for)	
	Canadian ICES-003 Compliant; C-Tick	