

24V Intelligent Thermostat

[Mx-TS1]



MAGNUM
I N N O V A T I O N S

Product Image



Custom logo / multiple layouts available

Product Overview

Description

The Magnum Thermostat uses wireless communication to provide quick and easy implementation of the energy-saving HVAC controls. When the thermostat receives an “occupied” signal from any of Magnum’s wireless switch or sensor, the user immediately gains full control of the HVAC settings. When the thermostat receives an “unoccupied” signal, it sets the room back to the preset unoccupied temperature. When used with Magnum’s Gateway, the thermostat can also be connected to LON and BACnet HVAC control systems.

Compatible Devices

- Mx-MRC1 (Window / Door Sensor)
- Mx-EDWS (Window / Door Sensor)
- Mx-EKCS (Key Card Reader)
- Mx-KC1 (Key Card Reader)
- Mx-ML2 (Motion / Lux Sensor)
- Mx-USR-L1 (Single Channel Lighting Control Module)
- Mx-UTR-L1 (Two Channel Lighting Control Module)
- Mx-eBox (BACnet IP Gateway)
- Mx-AP2 (Access Point)
- Mx-ILS2 (Integrated Light Switch)

Applications

- Hotels & Resorts
- Colleges & Universities
- New Construction
- Executive Offices
- Perimeter Zones
- Daylight Harvesting
- Restrooms
- Private Offices
- Retrofits
- Conference Rooms
- Lighted Hallways
- Cruise Ships
- Classrooms
- Daycare Facilities



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*PATENT PENDING

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All of the Thermostat's settings can be customized through the easy-to-use airConfig™ Tool. Thus making your Thermostat secure.



With Magnum's new Smart Thermostat, we have included some must-have features for property owners:

- The Guest does not have access to any internal menu operations therefore prohibiting the guest from altering any settings on the thermostat. This then eliminates the guest's ability to tamper with the energy management system.
- Real time clock.
- Night-Time occupancy Set Back based on property's pre-determined nightly time schedule.

(For example: If the occupancy override is enabled, and the time is set between 9:30pm and 7:00am, when the system detects occupancy one time, it will automatically stay in occupied mode for the duration of the time period. This advanced technology will prevent any false Set Backs during night time, and ultimately prevent any guest uncomfot or complaints.)



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Technical Specifications

Part Numbers (Frequency Dependant)	M9-TS1 (902 MHz - North America) M8-TS1 (868 MHz - Europe and China) MJ-TS1 (928 MHz - Japan)
Range	50 ft-150 ft typical
Input Voltage	24 VAC
Max Loads	24V (1.5 amp/circuit)
Temperature Monitor Range	32°F to 99.9° F (0°C to 37.7°C)
Temperature Set Point Range	60°F to 85°F(15.5°C to 29.5°C)
Operating Temperatures	14°F to 131°F (-10°C to 55°C)
Storage Temperature	-4°F to 131°F (-20°C to 55°C)
Sampling Rate	Every 5 Seconds
Display Format	Liquid Crystal Display (LCD)
Fan Control	Selectable: Auto Cycle, Low, Medium, High, Economy, Off
Memory	Stores up to 30 switch IDs
Accuracy	+ / - 1°F (0.5°C)
Heat / Cool Control	<ul style="list-style-type: none">• Compressor• Auxiliary Heat• Reversing Valve• Low Fan• Medium Fan• High Fan Relays
Dimensions	4.38" (111.252 mm) x 6.63" (168.402 mm) x 1.16" (29.464 mm)
Radio Certifications	FCC (U.S. SZV-STM300U); IC (Canada 5713A-STM300U)



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