



# M9-TS1

## 24V Intelligent Thermostat



Proudly Made  
In America

\*PATENT PENDING

### Description

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Magnum First's 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 BACNet HVAC control systems.

### Operation

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User can override temperature to a preset limit or thermostat can be only controlled by the BMS system

### Compatible Devices

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- M9-MRC1 (Window / Door Sensor)
- M9-EDWS (Window / Door Sensor)
- M9-EKCS (Key Card Reader)
- M9-KC1 (Key Card Reader)
- M9-ML2 (Motion / Lux Sensor)
- M9-USR-L3 (Single Channel Lighting Control Module)
- M9-UTR-L3 (Two Channel Lighting Control Module)
- M9-EBox (BACnet IP Gateway)
- M9-ILS2 (Integrated Light Switch)

### Applications

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- 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

# M9-TS1

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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"><li>• Compressor</li><li>• Auxiliary Heat</li><li>• Reversing Valve</li><li>• Low Fan</li><li>• Medium Fan</li><li>• High Fan Relays</li></ul>
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)