



## Product Data Sheet

# Communicating Thermostats for Fan Coil Control

Trane Communicating Thermostats are ideal for existing building retrofits and controls upgrades when integration with a building automation system is desired. Increased comfort and energy efficiency can be gained through use of multi-speed fans; two (2) position or floating temperature control valves; or through the use of optional covers with built-in occupancy sensors.

Existing thermostat wire and junction box and conduit can often be re-used to reduce installation hardware and labor cost. A hinged PCB board, removable terminal blocks, and onboard configuration can further reduce installation and commissioning time and expenses.



Easy-to-use Interface for Setup and Daily

## Ordering Numbers

Use the following ordering numbers.

Description	Protocol/Interface	Part Number
Fan Coil	BACnet	X13511543010
Fan Coil	LON	X13511543020
Optional Cover with Occupancy Sensor	Fan Coil	X13511544010



Optional Integrated Occupancy Sensor

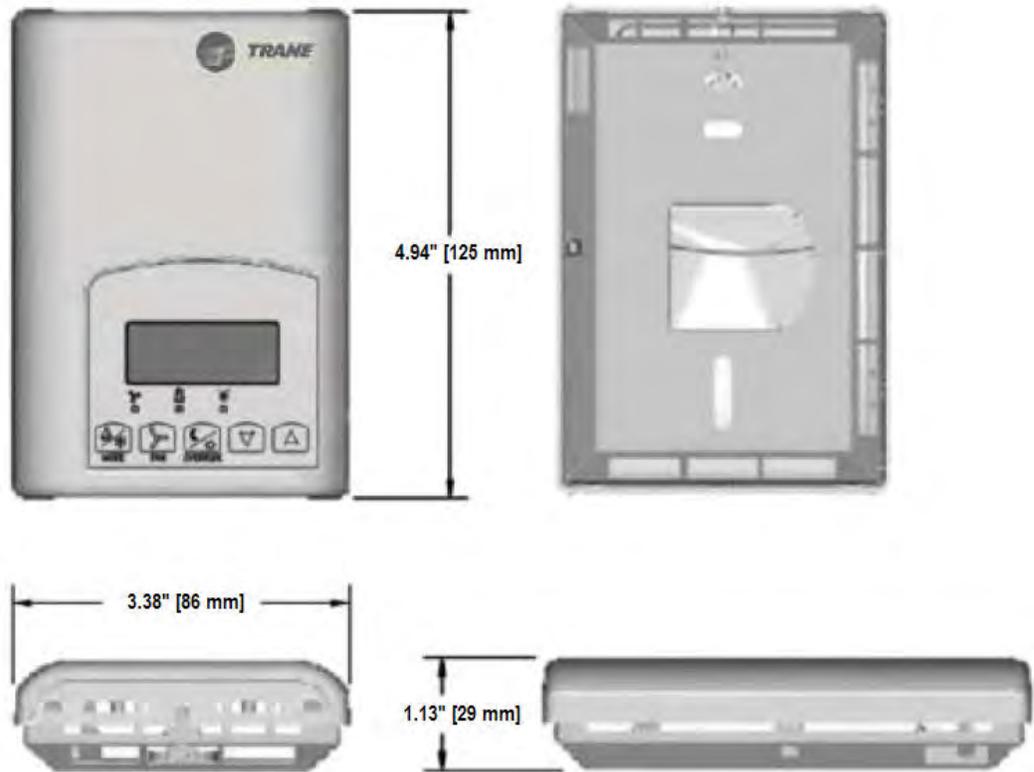
## Features and Benefits

Feature	Benefit
BACnet or LON Communication	Open standard building automation communications protocols enable connections to other BAS systems and controllers. See agency compliance below.
Easy-to-use Interface	Includes a simple user interface for reduced installation time and trouble-free operation.
Advanced Monitoring	Capable of sending remote alarms for faster troubleshooting. Optional binary input can be used for local monitoring, or an optional analog input can be used for supply air temperature monitoring.
Optional Occupancy Sensors	Integrated occupancy sensors allow reduced energy consumption while people are not present.

## Controller Specifications and Agency Compliance

Storage	
Temperature	-22°F to 122°F (-30°C to 50°C)
Relative humidity	0% to 95% R.H. non-condensing
Operating	
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	0% to 95% R.H. non-condensing
Power	19-30 VAC 50 or 60 Hz; 2 VA (RC & C)
Weight	0.75 lb (0.34 kg)
Resolution	±0.2°F (±0.1°C)
Control accuracy	±0.9°F (±0.5°C) @ 70°F (21°C) typical calibrated
Occupied and unoccupied setpoint range	Cooling: 54 to 100°F (12.0 to 37.5°C) Heating: 40°F to 90°F (4.5°C to 32°C)
Room and outdoor air temperature range	-40°F to 122°F (-40°C to 50°C)
Proportional band for room temperature control:	Factory set, heating and cooling at 3.2°F (1.8°C)
Digital inputs	Relay dry contact only across BI1, BI2, and UI3 to Scom
Contact output rating	Fan relay and valve triac output: 30 VAC 1 amp maximum, 30 VAC 3 amp in-rush Valve analog: 0-10 VDC into 2K Ω resistance min.
Economizer analog output rating	0 to 10 VDC into 2KΩ resistance min.
Wiring	
22 AWG (recommended) copper wire (18 AWG maximum)	
Agency Compliance	
<ul style="list-style-type: none"> <li>• <b>UL:</b> UL 873 (US) and CSA C22.2 No. 24 (Canada), File E27734 with CCN XAPX (US) and XAPX7 (Canada)</li> <li>• <b>Industry Canada:</b> ICES-003 (Canada)</li> <li>• <b>FCC:</b> Compliant to CFR 47, Part 15, Subpart B, Class A (US)</li> <li>• <b>CE:</b> EMC Directive 89/336/EEC (Europe Union)</li> <li>• LonMark Device Class 5500-SCC-Generic Certified</li> </ul>	

## Dimensions



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