



Product Data

Trane® Touch Screen Programmable Zone Sensor

For Symbio™, ReliaTel™ and Tracer® UC400
Controls
Data Sheet



SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.



Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

Overview

The Trane® programmable zone sensor is an excellent choice for customers who seek a low cost control solution that meets California Title 24 requirements for stand-alone space control applications. The compact size, combined with a color liquid crystal display (LCD), is both aesthetically pleasing and easy to use. The programmable zone sensor is designed for use with the following:

- Single zone Symbio™ and ReliaTel™ controlled Voyager™, Precedent™, and Odyssey™ systems.
- Symbio and UC400 factory-programmed for WSHP, fan coils, blower coils, and unit ventilators.

Features

Feature	Benefit
Intuitive color touch screen display	Clear and simple to use. Easy to program with 5 color display options to choose from.
California - Title 24 compliant	Provides required equipment diagnostics, status information, demand shed functionality, tenant override, and displays a service message when an equipment fault condition is detected.
Flexible scheduling function	Schedule function: Supports 7-day, 5+2 day, 5+1+1 day schedule options with up to three occupied/unoccupied event pairs per day.
Secure access	Display can be configured to prevent occupant access to temperature setpoints and schedules. Installer password protects configuration and diagnostic screens.
Battery-free design	All settings and schedule are saved to non-volatile memory and are maintained through power failure.
Remote temperature sensor support	User interface can be placed in location away from the zone where the wired temperature sensor is installed.

Part Numbers

Programmable Zone Sensor Model Description	Type of Schedule	Ordering Part Number	Service Part Number
Compatible with ReliaTel controller ^(a)	Commercial	BAYSENS924	BAYSENS924
Compatible with UC400 controller with factory WSHP, fan coil, blower coil, or unit ventilator program.	Commercial	X13790993	SENS02587
	Residential	X13790992	SENS02586
Compatible with Symbio™ 700 and 800 controllers	Commercial	BAYSENS800	BAYSENS800

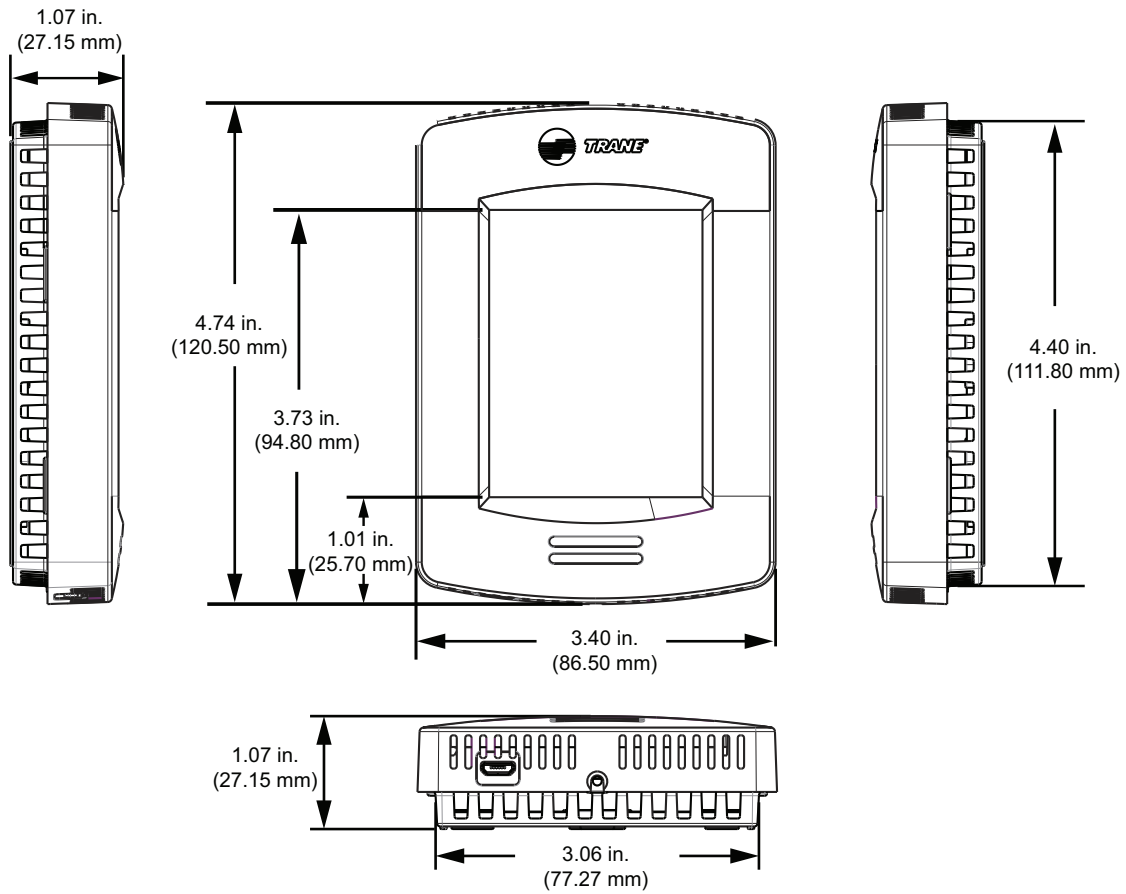
(a) Requires a BCI-R to be installed.



Specifications

Category	Description
Sensor Operating Temperature:	32°F to 122°F (0°C to 50°C)
Storage Temperature:	-22°F to 122°F (-30°C to 50°C)
Storage and Operating Humidity Range:	0% to 95%, non-condensing
Temperature Control Accuracy:	+/- 0.9°F (+/- 0.5°C) @ 70F (21°C) typical calibrated
Temperature Sensor Resolution:	+/- 0.2°F (+/- 0.1°C)
Room Air Temperature Display Range:	-40°F to 122°F (-40°C to 50°C)
Occupied/Unoccupied Setpoint Range:	<ul style="list-style-type: none"> Cooling: 60°F to 85°F (15.5°C to 29.4°C) Heating: 55°F to 80°F (12.7°C to 26.6°C)
Heating/Cooling Setpoint Minimum Deadband:	2°F to 10°F (1.0°C to 5.5°C)
Power:	24 Vac (19–30 Vac), 50 Hz or 60 Hz, Class 2
Power Consumption:	6 VA
Housing:	<ul style="list-style-type: none"> Polycarbonate/ABS blend UV protected UL 94–5VA flammability rating Suitable for application in a plenum
Weight:	0.75 lb. (0.34 kg)
Mounting:	3.24 in (8.26 cm) for 2 mounting screws (supplied)
Wiring	
Power Supply:	<ul style="list-style-type: none"> 18 AWG or Larger Terminal 5; Power- 24 Vac Terminal 6; Power- Common
Communication:	<ul style="list-style-type: none"> 22 AWG or Larger Terminal 13; BACnet + Terminal 14; BACnet – Terminal 15; BACnet REF
Load Shed:	<ul style="list-style-type: none"> Dry contact Terminal 16, Load shed signal Terminal 18, Load shed common
Agency Compliance	
Safety Standards:	<ul style="list-style-type: none"> LVD Directive 2014/35/EU UL 60730-1:2016 CAN/CSA-E60730-1:2015 IEC 60730-1:2013 UL 60730-2-9:2017 UL 60730-2-13:2014
EMC Standards:	<ul style="list-style-type: none"> EMC Directive 2014/30/EU IEC 60730-1:2013 FCC Part 15 Subpart B, Class B
RoHS Compliance:	RoHS 2011/65/EU

Dimensions



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