



Product Data Sheet

Trane™ Thermostats Programmable and Non-programmable



Trane offers a line of programmable and non-programmable commercial thermostats for conventional (rooftop) air conditioners and heat pumps. Features and benefits include:

- **Intuitive Liquid Crystal Display**— are easy to use and read for all users and languages.
- **Soft-touch Buttons or Touch Screen**— both are easy and responsive for setup.
- **Configurable**— permits usage in conventional (RTU) systems or heat pumps with and without auxiliary heat.
- **Dehumidification**— only with touch screen model.

Part Numbers

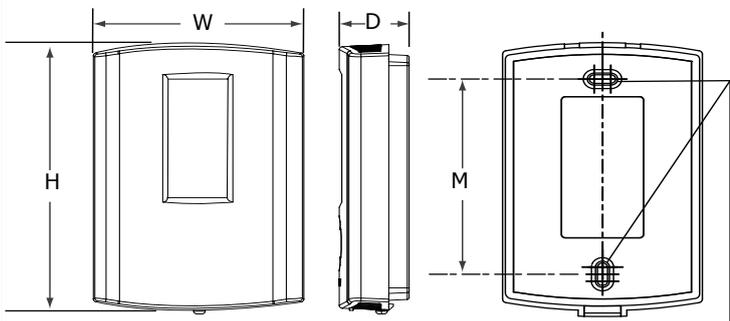
Model	X Code	Clarksville	Global Parts
Thermostat, non-programmable, 1-heat/1-cool	X13511535010	BAYSTAT151A	THT02772
Thermostat, non-programmable, 3-heat/2-cool	X13511536010	BAYSTAT155A	THT02773
Thermostat, programmable, 3-heat/2-cool	X13511537010	BAYSTAT150A	THT02774
Thermostat, programmable, touch screen, 3-heat/2-cool/dehumidification	X13511538010	BAYSTAT152A	THT02775

Specifications

Category	Specification/Description
Input power:	24Vac, 50 Hz or 60 Hz (18 Vac to 32 Vac)
Wire size:	18 to 22 AWG
Output terminal ratings:	1A resistive load @ 30 Vac
Temperature display ranges:	<ul style="list-style-type: none"> Non-programmable: 32°F to 99°F (0°C to 37°C) Programmable Push Button: +15 to +122 °F (-9.5 to +50 °C) Programmable Touch Screen -45°F to 199°F (-42.8°C to 92.8°C)
Temperature setpoint ranges:	<ul style="list-style-type: none"> Heat Setpoint: 40°F to 90°F (4.5°C to 32°C) Cool Setpoint: 50°F to 99°F (10°C to 37°C)
Display type:	LCD
System modes:	<ul style="list-style-type: none"> Heat Cool Auto Off Emergency Heat (<i>NO Emergency Heat on 1H/1C non-programmable model</i>)
Fan modes:	<ul style="list-style-type: none"> On Auto
Only Programmable:	
Remote temperature sensor:	The thermostat includes terminals for a remote temperature sensor. They can be used for display, H/C control, or heat pump compressor lockout. The remote sensor must be 10K type 2. Recommended sensors include: Zone Temperature Sensor BAYSENS077A (X1351152801, SEN01488) or Duct Temperature Sensor BAYSTAT170A (41901133, SEN01287)
Scheduling options:	5/2 day; 5/1/1 day; 1 day; 7 day. Two (<i>Day/Night</i>) or four (<i>Morning/Day/Evening/Night</i>) configurable periods per day.
Temporary override:	Users can temporarily change the temperature setpoints, fan mode, and/or occupancy setting from the programmed schedule.
Lockout:	System, fan, and/or schedule settings can be locked out individually on the programmable push button model. The touch screen locks out all functions at the same time except for <i>Clean Screen</i> and <i>Filter Change</i> functions.
Only Touch Screen:	
Remote humidity sensor:	Touch screen thermostat has an internal humidity sensor and is capable of including a remote humidity sensor. The remote humidity sensor must be a 4–20 mA, 24 Vdc type. <i>Recommended humidity sensors: Wall Mount BASYSENS036A (X1379044401, SEN01177) and Duct Mount 4190 7020 (X1379044501).</i>
Humidity display range:	0% to 99% (1% steps)
Humidity setpoint range:	30% to 80% (1% steps)

Dimensions

Dimension	Programmable	Non-Programmable	Programmable Touch-screen
H	4.7 in. (119 mm)	4.7 in. (119 mm)	3.3 in. (85 mm)
W	3.3 in. (83 mm)	3.1 in. (78 mm)	5.9 in. (150 mm)
D	1.1 in. (28 mm)	1.1 in. (28 mm)	1.3 in. (33 mm)
M	3.3 in. (85 mm)	3.3 in. (85 mm)	3.3 in. (85 mm)



Two (2) slots for standard #8-32 (M4), 2"x4" junction box mounting screws.

Wire Terminals

Label	Description	Non-Programmable		Programmable	
		1Heat/ 1Cool	3Heat/ 2Cool	3Heat/ 2Cool	Touch Screen
(O/B)W	(Changeover valve) ^(a) Heat relay	✓	✓	✓	✓
(Aux/E)W2	(Auxiliary or Emergency heat relay) ^(a) Second stage heat		✓		
(W1)W2	(Emergency heat relay) ^(a) Second stage relay			✓	✓
A	Economizer relay			✓	✓
C	Common	✓	✓	✓	✓
Dh	Dehumidify relay				✓
G	Fan relay	✓	✓	✓	✓
Hp	External humidity sensor power				✓
Hs	External humidity sensor input				✓
(L)	(Emergency heat indicator relay) ^(a)		✓		
R	24 Vac heating	✓	✓	✓	✓
Rc	24 Vac cooling	✓	✓	✓	✓
S1	External temperature sensor			✓	✓
S2	External temperature sensor			✓	✓
Y	Stage 1 compressor control relay	✓	✓	✓	✓
Y2	Stage 2 compressor control relay		✓	✓	✓

(a) Text in parentheses applies to **only** heat pump systems.



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