THERMOSTATS & CONTROLLERS

FOCUSPRO[™] RESIDENTIAL AND LIGHT COMMERCIAL THERMOSTATS TH5000. TH6000. TB7000 SERIES



DESCRIPTION

FEATURES

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Battery

Display

Controls

Memory

Cooling

Accuracy

• Relay switch type

Large digital backlit display

Auto or manual heat-cool operation

The Honeywell TH5000 Series is a single- or multi-stage digital thermostat made for typical residential heating and cooling systems with either conventional heat or heat pump. The **TH6000 Series** is a five-day-plus-two programmable thermostat. It is available in single- or multi-stage models for typical residential H/C systems with either conventional heat or heat pump. The TB7220 is a seven-day programmable thermostat made for light commercial applications. The TB7220 is a multi-stage thermostat, for conventional heat or heat pump application with additional algorithms to accommodate larger spaces and larger equipment in commercial applications. Algorithms include configurable recovery ramp and pre-occupancy purge cycle. It also has remote sensor capability.

• Programmable and Non-Programmable Models



TH5110D1022 Non-Programmable

Honeywell



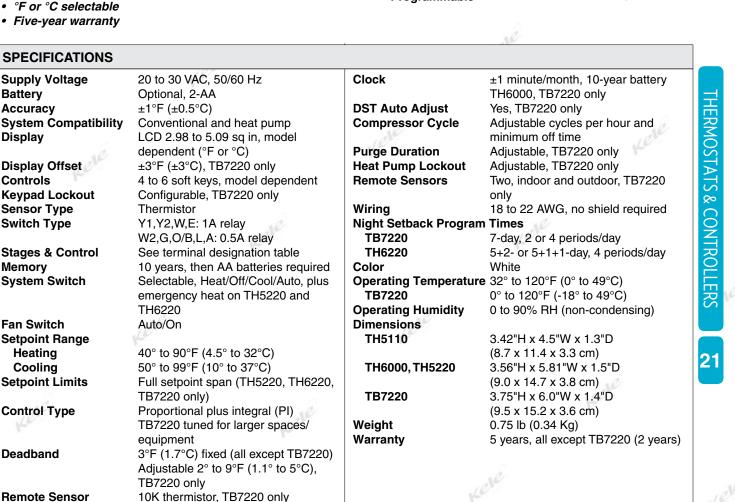
Non-Programmable



TH6220D1028 Programmable



TB7220U1012 **Commercial Programmable**



September 2016



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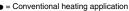
FOCUSPRO[™] RESIDENTIAL AND LIGHT COMMERCIAL THERMOSTATS TH5000, TH6000, TB7000 SERIES

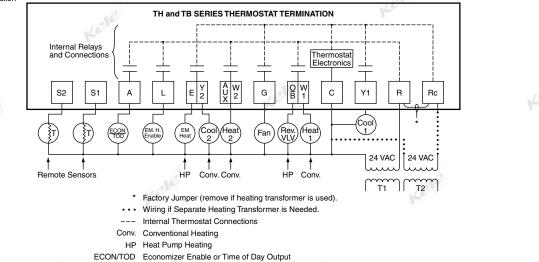
WIRING

70°

RESIDENTIAL THERMOSTATS		RESIDENTIAL PROGRAMMABLE THERMOSTATS		COMMERCIAL	** Terminals and functions are not present on every thermostat	
TH5110 1H/1C	TH5220 2H/2C	TH6110 1H/1C, programmable	TH6220 2H/2C, programmable	TB7220 3H/2C, programmable	Terminal**	Thermostat Function**
•	•	•	•	•	Rc	24 VAC power for cooling, for a split heating-cooling system
•	•	•	•	•	R	24 VAC power for heating (typically jumpered with Rc for common-powered systems)
•	•	•	•	•	Y1	Cooling 1st stage
•	•	•	•	•	с	24 VAC common (must come from cooling transformer)
•	•	•	•	•	W1	Heating 1st stage
0	0	0	0	0	O/B	Changeover valve (replaces W1 for heat pump)
•	•	•	•	•	G	Fan relay
	•		•	•	W2	Heating 2nd stage (TH5220, TH6220, TB7220)
	0		0		Aux	2nd stage heat for heat pump application (TH5220, TH6220, replaces W2 for HP)
	•		•	•	Y2	Cooling 2nd stage (TH5220, TH6220, TB7220)
	0		0		E	Emergency heat relay (TH5220, TH6220, replaces Y2 for HP)
	•		•		L	Emergency heat enabled annunciate (TH5220, TH6220)
				•	А	Economizer or time-of-day output powered by the R terminal (TB7220)
				•	S1	Remote sensor 1 set for room or OSA (TB7220)
				•	S2	Remote sensor 2 set for room or OSA (TB7220)

O = Heat pump application only





ORDERING INFORMATION

MODEL	DESCRIPTION
TH5110D1022	Digital thermostat 1H/1C (HP), system (H/O/C/A), fan auto/on
TH5220D1029	Digital thermostat 2H/2C (HP), system (H/O/C/A/Em), fan auto/on
TH6110D1021	Programmable (5-2 day) thermostat 1H/1C (HP), system (H/O/C/A), fan auto/on
TH6220D1028	Programmable (5-2 day) thermostat 2H/2C (2H/1C HP), system (H/O/C/A/Em), fan auto/on
TB7220U1012	Programmable (7-day) thermostat 3H/2C (HP), system (H/O/C/A), fan auto/on
32003796-001 50002883-001 C7089U1006 C7189U1005	RELATED PRODUCTS Cover goof plate, 6"H x 8.3"W (TH7220) Cover goof plate, 6"H x 8.3"W (TH6000 Series, TH5000 Series) Outdoor Thermistor sensor with mounting clip, 10K ohm @ 77°F NTC (TB7220), Non-Standard Curve Remote indoor thermistor sensor, 10K ohm @ 77°F NTC (TB7220), Non-Standard Curve

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