

Programmable touchscreen thermostat

Ideal for light commercial applications

White-Rodger's programmable touchscreen thermostat is an ideal solution for light commercial temperature control. This communicating, intelligent monitor and controller combination with built-in temperature and humidity sensors is designed to control conventional Roof Top Units (RTUs) and heat-pump systems.



Configuration

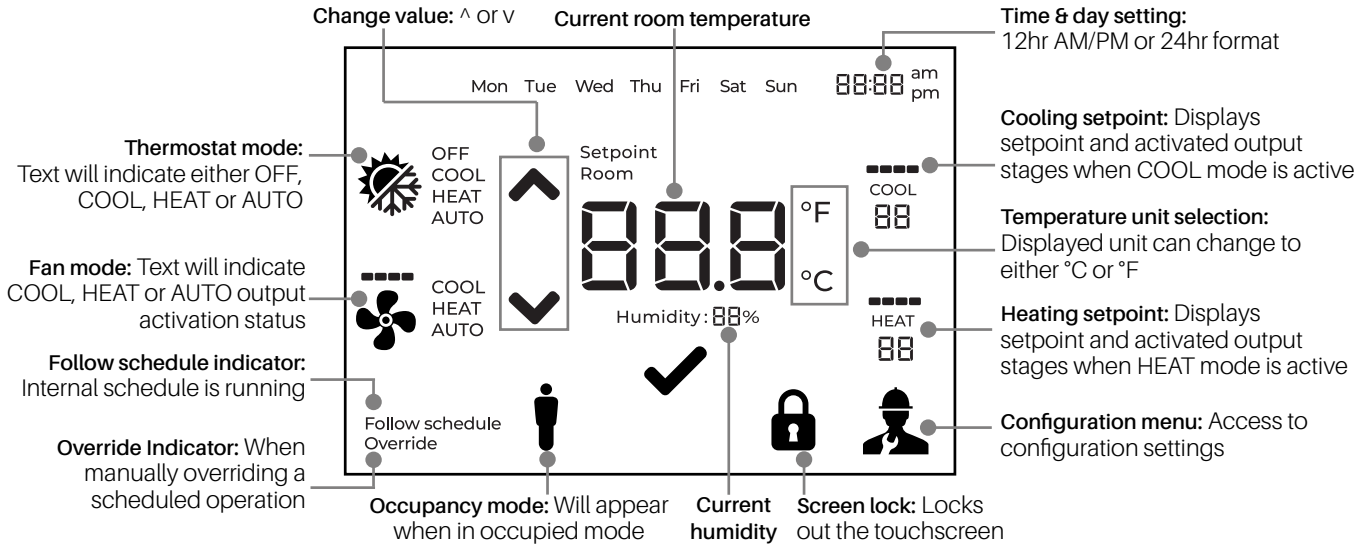
For new facility or retrofits, the programmable touchscreen thermostat can control Roof Top Units (RTUs) and heat-pump systems and integrates with supervisory controls and E2.



Features and benefits

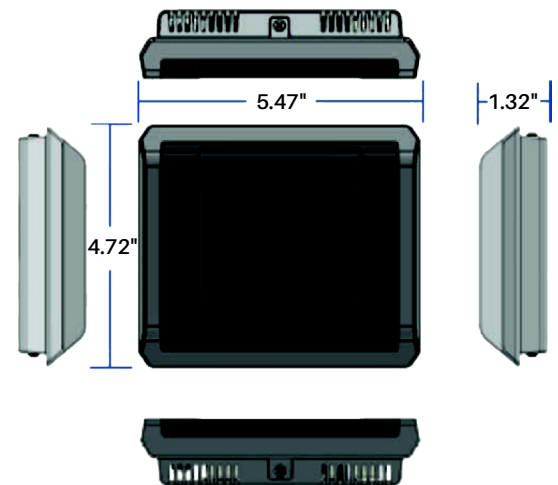
- A resistive touchscreen allows user navigation and value changes shown on the display.
- Programmable via Modbus RTU network that integrates with supervisory controls and E2.
- (2) stages heat/cool, dehumidification, reversing valve and economizer functionality.
- Remote sensing: (3) 10K thermistor, humidity sensor and fan proof sensor inputs.
- Communicating thermostat that delivers fully integrated functionality for both RTUs and heat-pump systems.
- Sleek design makes it suitable for nearly any location in new or retrofit stores.
- Easy-to use menu-driven programming for ease of installation and maximum flexibility.
- Screen lockout to save energy and money by preventing unauthorized setting changes.

Touchscreen display



Technical specifications

Part number	810-1600
Power requirements	24VAC nominal, 50-60Hz, less than 3.6VA Class 2
Communication protocol	Modbus RTU on RS-485, 19200 (default) or 9600
Relay outputs	2-stage cool / 2-stage heat Dehumidification Heat reclaim Reversing valve
Temperature setting range	32 to 122°F, 0 to 50°C
Temperature accuracy	+/- 1.1°F, +/- 0.06°C within operating temp range
Humidity range	0% to 95%
Humidity accuracy	+/- 5% @ 50% RH @ 77°F (25°C)
Analog input	3-10kΩ NTC thermistor / 0-10V
Digital input	Fan proof sensor digital input
Compliance	UL60730, FCC CFR 47 Part 15 subpart B class B



Order information

Programmable thermostat

Part number	Description
810-1600	Programmable touchscreen thermostat

Temperature probes & sensors

Part number	Description
201-0041	4-inch Stainless steel temperature probe (Return/supply air)
201-2009	8" Stainless steel temperature probe (Return/supply air)
201-2018	18" Stainless steel temperature sensor (Return/supply air)
201-2112	12" Stainless steel temperature sensor (Return/supply air)
201-1152	Outdoor air temperature sensor
201-2007	Space temperature sensor

To learn more, visit copeland.com/white-rogers

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