SimplThermostat

Peak Power Reducing Thermostat

Up to Four Temperature and Relative Humidity Nodes
Multistage RTU, Air Handler or Heat Pump

Model Number	SimplThermostat-0000				
Installation	Designed to be Installed in the HVAC RTU or Air Handling Equipment				
Wireless, External and Attached Sensors	External Room Sensors or up to Four (4) Attached SimplTRHL Sensors				
	External SimplSensors: Temperature and Relative Humidity	**Sensor 1:** Return Node (Standard)	**Sensor 2:** Supply Node (Optional)	**Sensor 3:** Economizer Node (Optional)	**Sensor 4:** Outdoor Node (Optional)
Five (5) HVAC Control Relays	Y: Cooling Stage 1; Y1: Cooling Stage 2 W: Heating Stage 1; W1: Heating Stage 2 + Fan				
Power	Min: 24 Vrms @ 0.2 A max | Max: 300 Vrms @ 0.1 A max				
Relay	Same Voltage as Power at up to 2A				
Dimensions	3" W x 2" L x 1.5" D				
Environmental	Main Chassis: IP67 rating; -30 °C to 60 °C at up to 95% RH Optional: IP67 Enclosure with Clear Lid				
Storage Temperature	-30 °C to 60 °C				
Communication Protocol	Private Wi-Fi Mesh Network Private LoRa Communications based on Simpl Global's patent-pending technology Internet Connectivity: Use SimplGateway with WiFi or 4G Cellular				
External Sensors	• Use SimplSensors, wireless sensors for external temperature and relative humidity sensing. • Optional Thermistor and Door Sensors				
Misc. Thermostat Parameters	• Multistage RTU, Air Handler or Heat Pump • Modes: Auto, Heat, Cool • Fan: Auto, On, Off • Temperature Settings: Heat and Cool when Occupied and Unoccupied • Relative Humidity: Specify the desired level (pending) • System Health: Requires both Return and Supply Sensing • Power Shedding for Peak Power Management • User Communications when online and Offline				