



Thermostats



... comfort at your command

Carrier has met temperature control needs worldwide with its thermostats. Carrier thermostats provide computer-like intelligence with extremely simple operation in an elegant package. Designed to maximize performance, Carrier thermostats offer reliability with accurate temperature control while blending in with the surrounding decor. Controlling heating and cooling systems at the touch of a button, these powerful devices help deliver comfort year round.

The new line-up has 4 models including programmable and non-programmable units with both single and multi-stage capability. Each model series has units in Classic and Deluxe versions.








Classic

- Fahrenheit/Centigrade display
- Manual change over
- Backlit display
- 3 fan speed control
- Cooling and heating mode
- Working mode display
- Room temperature & set point temperature display

Deluxe

- features in addition to Classic models
- Fahrenheit/Centigrade display
- Auto Changeover
- Separate set point
- Calibration capability
- Built in compressor protection

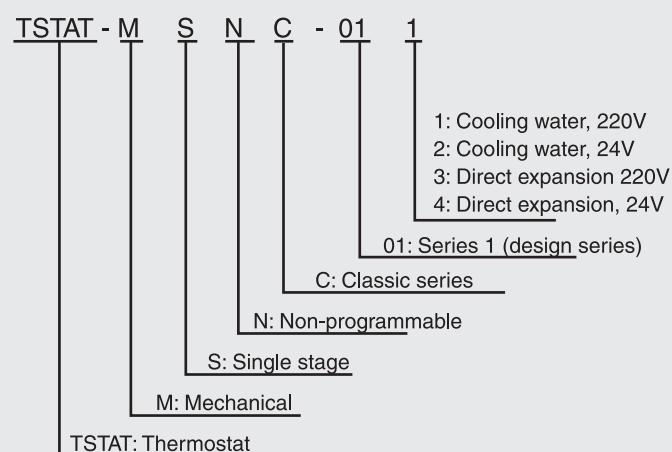
Models and Specifications

	Part Number	Display	Stage	Programmable/ Non-programmable	Classic/ Deluxe	Voltage	Application
Series 1	Series 1 Mechanical- Classic						
	TSTAT-MSNC-011 *	Mechanical	Single	Non-programmable	Classic	220V	Cooling water
	TSTAT-MSNC-011M	Mechanical	Single	Non-programmable	Classic	220V	Cooling water
	* electronic type with mechanical design						
Series 2	Series 2 Non-programmable -Classic						
	TSTAT-ESNC-021	Electronic	Single	Non-programmable	Classic	220V	Cooling water
	TSTAT-ESNC-022	Electronic	Single	Non-programmable	Classic	24V	Cooling water
	TSTAT-ESNC-023	Electronic	Single	Non-programmable	Classic	220V	Direct expansion
	TSTAT-ESNC-024	Electronic	Single	Non-programmable	Classic	24V	Direct expansion
	TSTAT-EMNC-023	Electronic	Multi	Non-programmable	Classic	220V	Direct expansion
	TSTAT-EMNC-024	Electronic	Multi	Non-programmable	Classic	24V	Direct expansion
	Non-programmable -Deluxe						
	TSTAT-ESND-021	Electronic	Single	Non-programmable	Deluxe	220V	Cooling water
	TSTAT-ESND-022	Electronic	Single	Non-programmable	Deluxe	24V	Cooling water
	TSTAT-ESND-023	Electronic	Single	Non-programmable	Deluxe	220V	Direct expansion
	TSTAT-ESND-024	Electronic	Single	Non-programmable	Deluxe	24V	Direct expansion
	TSTAT-EMND-023	Electronic	Multi	Non-programmable	Deluxe	220V	Direct expansion
	TSTAT-EMND-024	Electronic	Multi	Non-programmable	Deluxe	24V	Direct expansion
Series 3	Series 3 Non-programmable - Classic						
	TSTAT-ESNC-031	Electronic	Single	Non-programmable	Classic	220V	Cooling water
	TSTAT-ESNC-032	Electronic	Single	Non-programmable	Classic	24V	Cooling water
	TSTAT-ESNC-033	Electronic	Single	Non-programmable	Classic	220V	Direct expansion
	TSTAT-ESNC-034	Electronic	Single	Non-programmable	Classic	24V	Direct expansion
	TSTAT-EMNC-033	Electronic	Multi	Non-programmable	Classic	220V	Direct expansion
	TSTAT-EMNC-034	Electronic	Multi	Non-programmable	Classic	24V	Direct expansion
	Non programmable- Deluxe						
	TSTAT-ESND-031	Electronic	Single	Non-programmable	Deluxe	220V	Cooling water
	TSTAT-ESND-032	Electronic	Single	Non-programmable	Deluxe	24V	Cooling water
	TSTAT-ESND-033	Electronic	Single	Non-programmable	Deluxe	220V	Direct expansion
	TSTAT-ESND-034	Electronic	Single	Non-programmable	Deluxe	24V	Direct expansion
	TSTAT-EMND-033	Electronic	Multi	Non-programmable	Deluxe	220V	Direct expansion
	TSTAT-EMND-034	Electronic	Multi	Non-programmable	Deluxe	24V	Direct expansion
	Programmable - Classic						
	TSTAT-ESPC-031	Electronic	Single	Programmable	Classic	220V	Cooling water
	TSTAT-ESPC-032	Electronic	Single	Programmable	Classic	24V	Cooling water
	TSTAT-ESPC-033	Electronic	Single	Programmable	Classic	220V	Direct expansion
	TSTAT-ESPC-034	Electronic	Single	Programmable	Classic	24V	Direct expansion
	TSTAT-EMPC-033	Electronic	Multi	Programmable	Classic	220V	Direct expansion
	TSTAT-EMPC-034	Electronic	Multi	Programmable	Classic	24V	Direct expansion
	Programmable - Deluxe						
	TSTAT-ESPD-031	Electronic	Single	Programmable	Deluxe	220V	Cooling water
	TSTAT-ESPD-032	Electronic	Single	Programmable	Deluxe	24V	Cooling water
	TSTAT-ESPD-033	Electronic	Single	Programmable	Deluxe	220V	Direct expansion
	TSTAT-ESPD-034	Electronic	Single	Programmable	Deluxe	24V	Direct expansion
	TSTAT-EMPD-033	Electronic	Multi	Programmable	Deluxe	220V	Direct expansion
	TSTAT-EMPD-034	Electronic	Multi	Programmable	Deluxe	24V	Direct expansion

Series 1 Classic (*electronic type*)



MODEL NOMENCLATURE



GENERAL

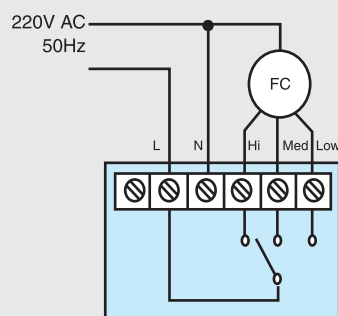
Series 1 thermostats are used to control room temperature in industrial, commercial and residential environment via controlling the fan coil units (With or without motorized valve), dampers, diffuser etc., which uses NTC to detect the room temperature and compare it with the set-point so as to automatically keep the room temperature stable.

PRODUCT FEATURES

- To control fan coil, valve and damper etc.
- Manual switch to select work state and use knob to set the temperature.
- Thermostats can be directly wall mounted

SPECIFICATIONS

WIRING DIAGRAM



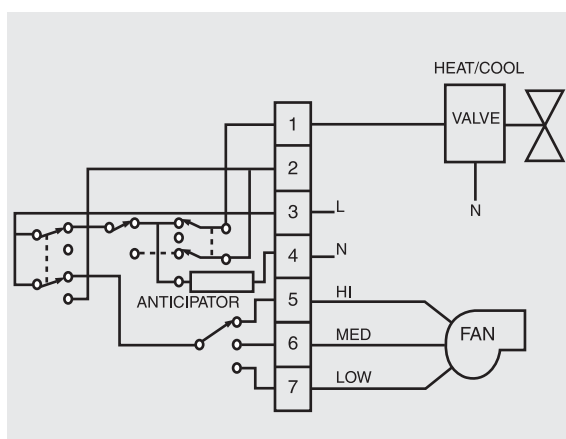
Temperature Range	: 10~30°C
Accuracy	: ±1°C
Power Supply	: AC220V±10%; 50/60Hz
Dimension (WxHxD)	: 85x130x43 mm
Max. Load	: <150W
Power Consumption	: <2W
Shell	: Fire Retardant ABS
Sensor	: NTC

Series 1 Classic (pure mechanical)

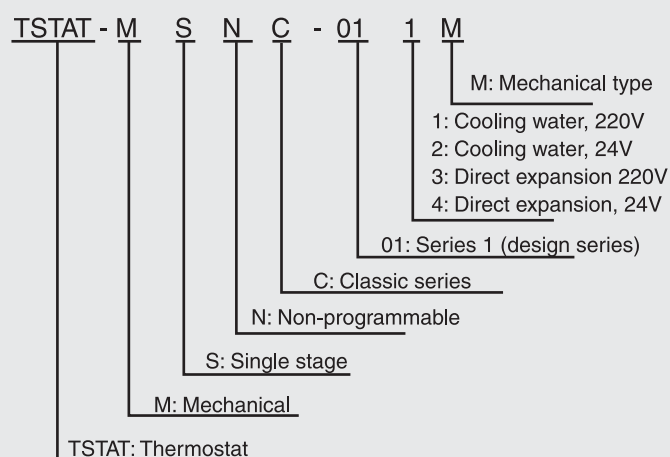


GENERAL

Series 1 (pure mechanical) thermostat is designed to control the fan coil, FCU valve in 2-pipe fan coil applications. The thermostat operates an on/off valve, and 3-speed fan. There are available with a manual 3-speed fan switch, with a system on/off switch and with a manual Heat/Cool changeover.



MODEL NOMENCLATURE



PRODUCT FEATURES

- Dual diaphragm sensing element ensures close temperature control for all loads and applications.
- Slide switches allow manual control system operation and fan speed.
- Thermostats can be directly wall mounted

SPECIFICATIONS

Temperature Range	: 10~30°C
Accuracy	: ±1°C
Power Supply	: AC220V±10%; 50/60Hz
Dimension (WxHxD)	: 85x130x43 mm
Sensing Element	: Dual Diaphragm
Wiring	: Screw-in terminals, capable of accepting wires up to 1.5 mm ²

Series 2 Classic / Deluxe



GENERAL

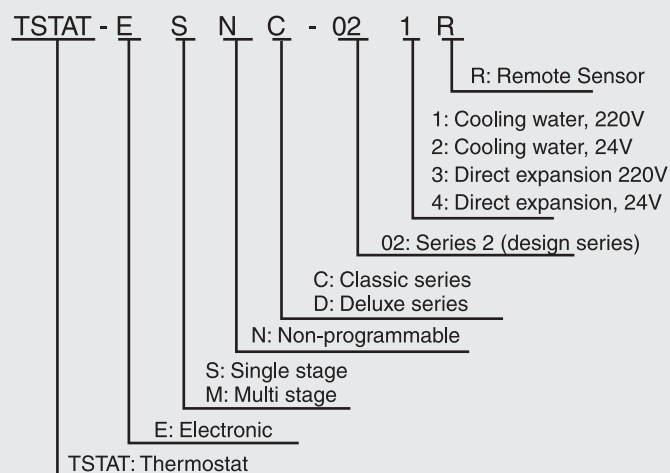
Series 2 thermostats use the latest digital control technology coupled with a large easy to read LCD display.

The *LCD display* shows the following items:

- Working Mode (cool or heat)
- Speed of fan coil
- Room temperature
- Set-point temperature

Remote controller (optional)

MODEL NOMENCLATURE



PRODUCT FEATURES

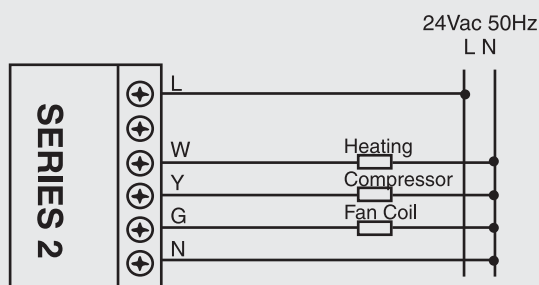
There are following keys on the panel:

- On / Off “”
- Exchange mode (cool or heat) key “”
- Fan speed key “”
- Set-point temperature keys “” and “”

SPECIFICATIONS

Temperature Range	: 5~35°C
Accuracy	: ± 1°C
Power Supply	: AC24V ± 10%, AC220V±10%; 50/60Hz
Dimension	: 86x86x13 mm
Current Load	: < 2A
Power consumption	: < 2W
Display	: LCD
Sensor	: NTC
Button	: Touch button
Fixing Hole Distance	: 60 mm (Standard)

WIRING DIAGRAM



Series 3 Classic / Deluxe



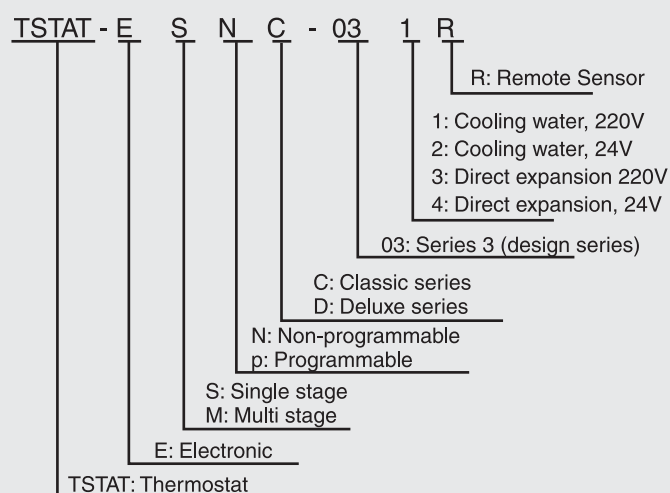
GENERAL

Series 3 thermostats adopt Digital Control Technology and has large LCD display, Displaying Working statuses (Cool, Heat and Vent), Fan Speed, Room Temperature, Temperature Setting, Clock and Timing for starting/stopping the unit etc.

2 models including programmable and non-programmable units.

Remote controller (optional)

MODEL NOMENCLATURE



PRODUCT FEATURES

There are following keys on the panel:

- On / Off “ ”
- Exchange mode (cool or heat) key “ ”
- Fan speed key “ ”
- Set-point temperature keys “ ” and “ ”

SPECIFICATIONS

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WIRING DIAGRAM

