



neptronic®

TFC 3x3 SERIES

fan coil thermostat 24Vac, modulating & TRIAC output for cooling, heating and digital output for fan



General Info

The TFC (thermostat Fan Coil) 3x3 series electronic thermostats have been designed for general HVAC applications but more specifically for fan coil control. This modern thermostat can connect up to 3 outputs at one time:

- One, two or three fan speeds
- Damper actuator or actuated valve (modulating or on/off and pulse)
- Electric duct heater or baseboard (modulating or on/off and pulse)

The TFC 3x3 is a low voltage (24 VAC) electronic thermostat. It integrates into the Neptronic® family of products which includes electronic actuators and actuated valves, electric duct heaters and other controls.

Fan coil 3x3



	Output						Input	
	Fan	Cool	Heat	ReHeat			Sensor	NSB
	3 Speed On-Off (contacts)	On-Off (triac)	Analog (0-10vdc)	On-Off or Pulse (triac)	Analog (0-10vdc)	On-Off or Pulse (triac)	Ext. 10k (type G) or C.O.	NSB (digital input)
TFC54F3Y1	✓	✓		✓		✓	✓	✓
TFC54F3X1	✓		✓		✓	✓	✓	✓

Can be used with relay interface board for high voltage (120vac / 240vac) applications

www.neptronic.com

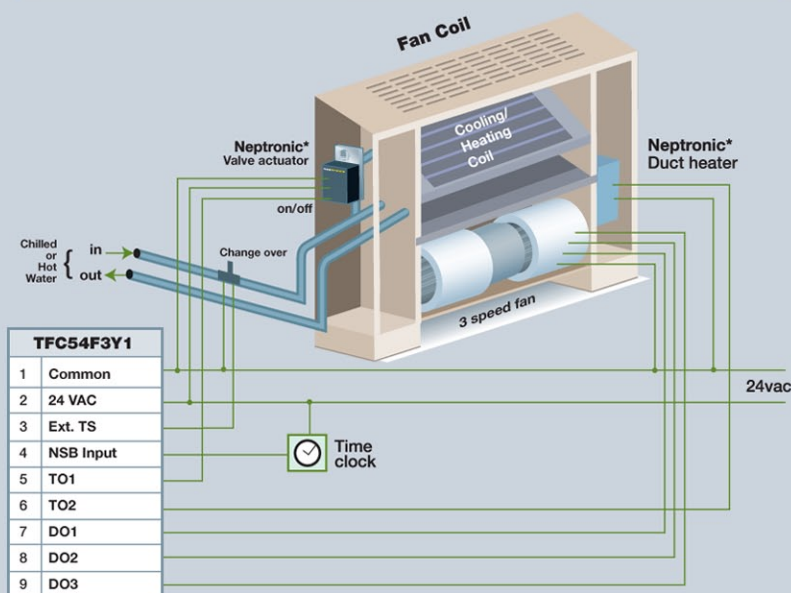
Manufacturer of actuators, actuated valves, controls, humidifiers and electric heaters.

neptronic®

TFC 3x3 SERIES

Fan coil thermostat 24Vac, modulating & TRIAC output for cooling, heating and digital output for fan

Example of a Typical Application with TFC54F3Y1

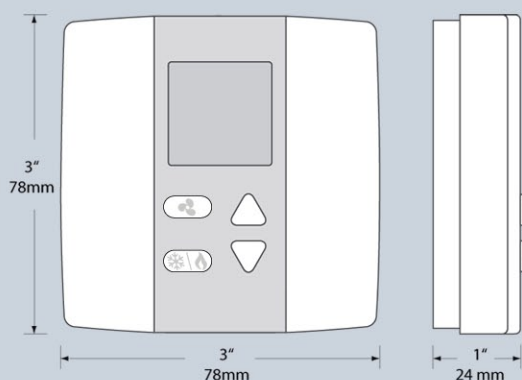


* Consult our website for more details on these products

Presentation

	Cooling ON A: Automatic
	Heating ON A: Automatic
	Fan ON 3 speeds A: Automatic
	Energy saving mode ON
	Minimum/Maximum set points
	Programming mode
	Menu set-up lock ON
	°C : Celsius scale °F : Fahrenheit scale

Dimensions



Specifications

Temperature Range	10°C - 35°C / 50°F - 95°F
NSB Temperature Range	Cooling 10°C - 35°C / 50°F - 95°F Heating 10°C - 35°C / 50°F - 95°F
Weight	80 g / 0.18 Lbs
Scale	°C / °F
Color	White
Accuracy	±0.5°C/ ±0.9°F
Flammability	UL94V-0
Ext. Temperature Input	Thermistor 10K @ 25°C / 77°F (type G)
Output	2 Analog outputs (cooling/heating, 0-10vdc) or 2 TRIAC outputs (cooling/heating, on/off or pulse) 3 Digital fan outputs (dry contact)

Accessories

Part Number	Description
NP 8599-K	Kit 2x4
NP 7950-1K	Kit Din rail
NF STR1-11	Wall sensor
NF DS110	Duct sensor

neptronic®

Head Office

National Environmental Products Ltd
400 Lebeau Blvd, Montréal, Québec H4N 1R6
Tel.: (514) 333-1433 Fax: (514) 333-3163
Toll Free(canada/usa): 1-800-361-2308

U.S. Office

NEP Inc.

1300 E. Hillsboro Blvd, Suite 200 Deerfield Beach, Florida 33441
Tel.: (954) 421-6216 Fax: (954) 421-8785