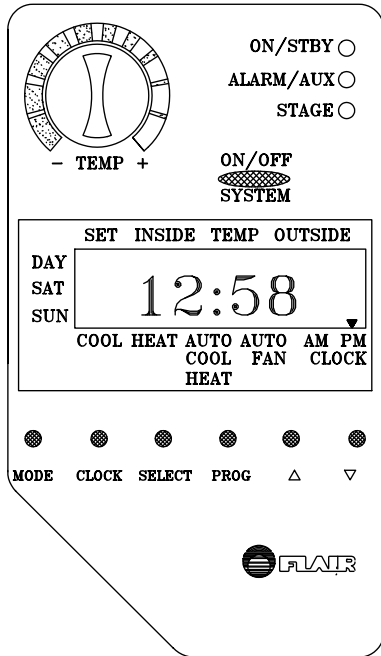


ELECTRONIC PROGRAMMABLE
THERMOSTAT series TP21

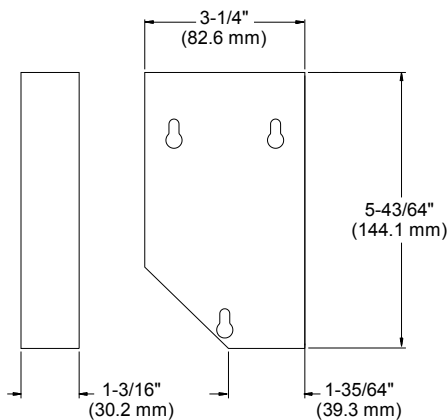
For central (main) or zoned control of heating and cooling systems. Available in single and multiple stage versions.



BENEFITS & SPECIAL FEATURES

- 4 daily programs for M-F, Sat. and Sun.
- Digital 12/24 hour real time clock.
- 4 minute automatic time delay for compressor protection (may be bypassed).
- Ten year lithium battery for back up during power outages.
- Easy programming—Easy setting.
- Large, easy to read, LCD display.
- Temperature display—set point, inside and outside air—in F° or C°.
- System status indicators.
- Learned response feature adjusts for changing climate.
- Manual on/off override.
- Temporary override with automatic resumption of program.
- Vacation mode—up to 365 days.
- Electronic program and temperature limiting and and locking.
- Low and high limit temperature alarms can activate a dry contact to switch an external control.
- Auto-changeover (heating/cooling).
- Continuous (on) or intermittent (auto) fan.
- Available in up to 3 stages of heating and 2 stages of cooling.
- Temperature setback reduces energy costs.

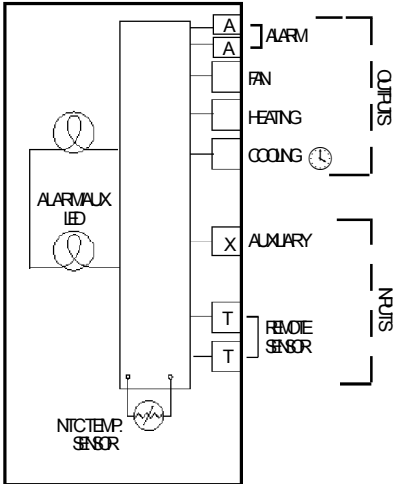
DIMENSIONS



SPECIFICATIONS

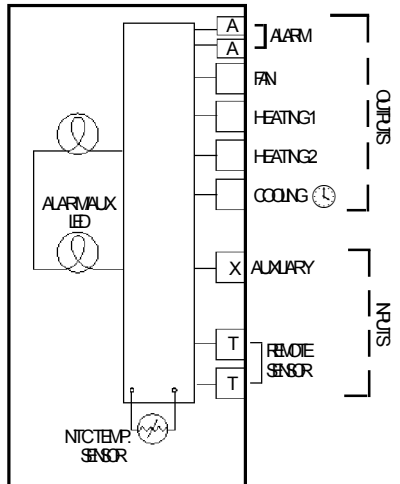
Operating Voltage:	24 vac (-15%, +10%, 50-60 Hz)
Temperature Range:	50°F - 90°F (10°C - 32°C)
Temperature Differential:	
Heating:	approximately ±0.8°F (.4°C)
Cooling:	approximately ±0.8°F (.4°C)
Between stages:	2° F (.8° C)
Dead Band:	4°F (2.2° C)
Sensor System:	Negative Temperature Coefficient (NTC)
Standard:	internal
Optional:	remote temperature
Optional:	return air temperature
Optional:	outside air temperature
Compressor Protection:	switched 4 minute time delay
Switches:	
Push-button:	MODE/CLOCK/SELECT/PROG/UP/DOWN
Push-button:	SYSTEM: ON/OFF
Rotating:	set TEMPERATURE
Indicator LED's:	ON (Steady Green) / STBY (Flashing Green)
	ALARM (Flashing Red) / AUX (Steady Red)
Staging (orange):	Stage One (Off); Stage Two (On); Stage Three (Flashing)
Display:	LCD, 4 character, .5" (1.27 cm) height.
Security:	Electronic temperature limiting and locking. Program locking.
Dimensions:	5 ⁴³ / ₆₄ x 3 ¹ / ₄ x 1 ³ / ₁₆ Inches (144.1 x 82.6 x 30.2 mm)

MODEL NUMBERS AND DESCRIPTIONS FOR VARIOUS APPLICATIONS



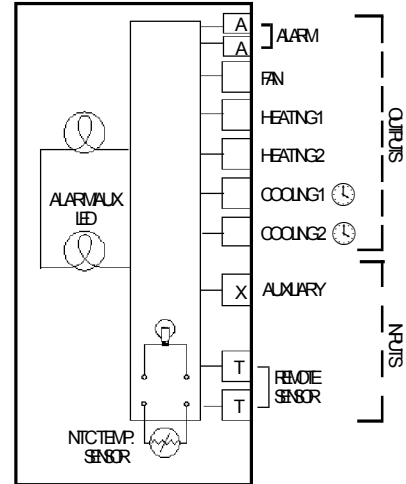
Model Number: TP211120
Description: 1 stage heat, 1 stage cool

Switching Current at 24 VAC:
Cooling: 1 Amp
Heating: 1 Amp
Fan: 1 Amp
Alarm: 1 Amp
Auxiliary: 1 Amp
Weight: .4 lbs. (880 g)



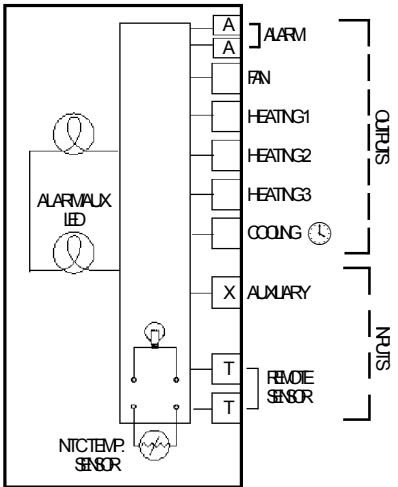
Model Number: TP212120
Description: 2 stage heat, 1 stage cool

Switching Current at 24 VAC:
Cooling: 1 Amp
Heating 1: 1 Amp
Heating 2: 1 Amp
Fan: 1 Amp
Alarm: 1 Amp
Auxiliary: 1 Amp
Weight: .4 lbs. (880 g)



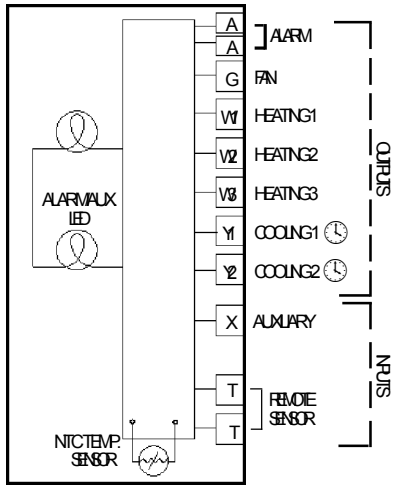
Model Number: TP212220
Description: 2 stage heat, 2 stage cool

Switching Current at 24 VAC:
Cooling 1: 1 Amp
Cooling 2: 1 Amp
Heating 1: 1 Amp
Heating 2: 1 Amp
Fan: 1 Amp
Alarm: 1 Amp
Auxiliary: 1 Amp
Weight: .4 lbs. (880 g)



Model Number: TP213120
Description: 3 stage heat, 1 stage cool

Switching Current at 24 VAC:
Cooling 1: 1 Amp
Heating 1: 1 Amp
Heating 2: 1 Amp
Heating 3: 1 Amp
Fan: 1 Amp
Alarm: 1 Amp
Auxiliary: 1 Amp
Weight: .4 lbs. (880 g)



Model Number: TP213220
Description: 3 stage heat, 2 stage cool

Switching Current at 24 VAC:
Cooling 1: 1 Amp
Cooling 2: 1 Amp
Heating 1: 1 Amp
Heating 2: 1 Amp
Heating 3: 1 Amp
Fan: 1 Amp
Alarm: 1 Amp
Auxiliary: 1 Amp
Weight: .4 lbs. (880 g)

ACCESSORIES

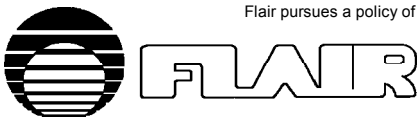
Remote Temperature Sensor	TX101001
Return Air Temperature Sensor	TX101011
Outside Air Temperature Sensor	TX101021
Transformers:	
40 VA	TR140100
20 VA	TR120100
Relay Transformers:	
20 VA (2) SPST 120 VAC relay	TR440200
20 VA (1) SPST 120 VAC relay	TR440300

REFERENCES

For More Information On:	See:
Remote version	TQ21 sheet
Wiring, jumper, potentiometer settings and applications	Instruction sheet
Other thermostats	This section
Zone Actuators	Star Actuator section
Zone Valves	Star Valve section
Wiring Panels	Control Panels section
Warranty & pricing	Pricing & Terms section
Backplates	Accessories sheet

Indicates this output is protected by a switched 4 minute time delay

Flair pursues a policy of constant improvement. For this reason, all specifications are subject to change without notice.



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