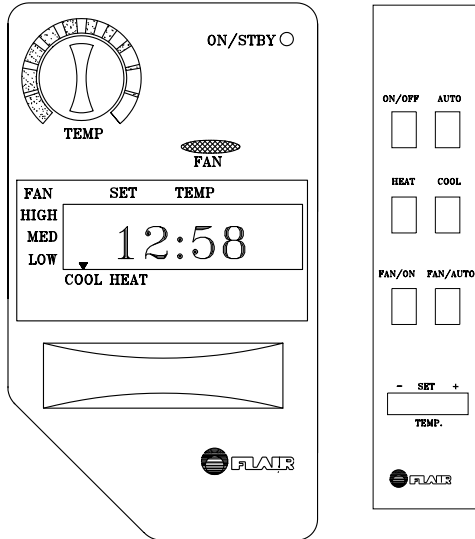


ELECTRONIC OCCUPANCY SENSING THERMOSTAT *series TT23*

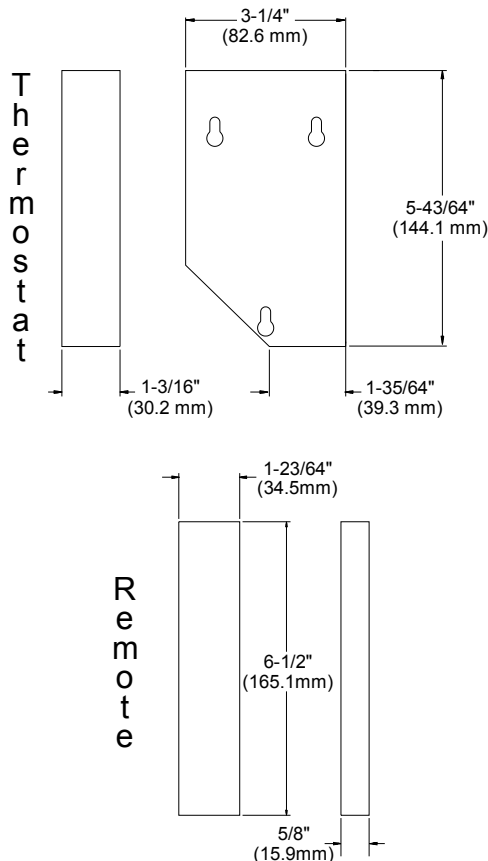


For automatic control of fan coils and Packaged Terminal Air Conditioners (PTACs), lighting and auxiliary equipment based on occupancy.

BENEFITS & SPECIAL FEATURES

- Automatic setback (heating) and setup (cooling) when area is unoccupied.
- Logic circuits accurately read occupancy.
- Adjustable recovery time.
- No door switch required.
- Easy setting.
- Ten year lithium battery for back up during power outages.
- Remote temperature sensor (optional).
- Return air temperature sensor (optional).
- Manual on/off override.
- Electronic locking and limiting.
- Temperature limit alarm can optionally switch external contact.
- Three speed automatic fan control with manual override.
- System status LED indicators: Power is on, standby mode, fan speed.
- System status LCD indicators: mode, fan speed, temperature.
- Models to accommodate 24/120/208/230/277 VAC.
- Auxiliary input from external sensor triggers LED.

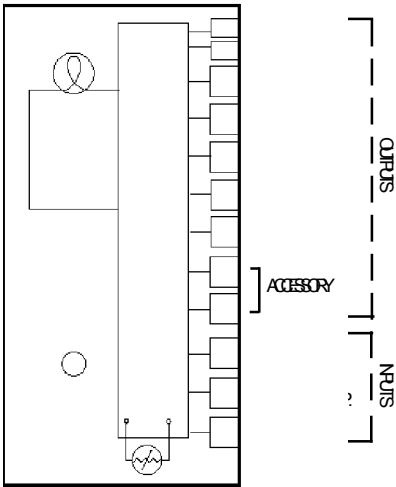
DIMENSIONS



SPECIFICATIONS

Operating Voltage:	24/120/208/230/277 VAC, 50-60 Hz
Switching Current at rated voltage:	
Cooling:	10 A
Heating:	10 A
Fan:	10 A
Temperature Range:	50°F - 90°F (10°C - 32°C)
Temperature Differential:	
Heating:	approx. ±0.8°F (.4°C)
Cooling:	approx. ±0.8°F (.4°C)
Sensor System:	Negative Temperature Coefficient (NTC)
Standard:	internal
Optional:	remote temp. sensor
Optional:	return air sensor
Optional:	Remote external motion sensor
Switches:	
Rotating:	SET TEMPERATURE
Push-button:	FAN: LOW/MED/HIGH/AUTO
Indicator LED's:	ON (Steady Green) / STBY (Flashing Green)
Security:	Temperatures can be electronically locked and limited.
Dimensions:	5.6 x 2.9 x 1.18 Inches (143.4 x 74.2 x 30.2 mm)

MODEL NUMBERS AND DESCRIPTIONS FOR VARIOUS APPLICATIONS



Model Number: TT131020; 24 VAC
 TT131030; 100 VAC
 TT131040; 120 VAC
 TT131050; 208 VAC
 TT131060; 220 VAC
 TT131070; 230 VAC
 TT131090; 277 VAC

Description: 1 stage heat or cool with remote control

Weight: .4 lbs. (880 g)

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

Internal Settings

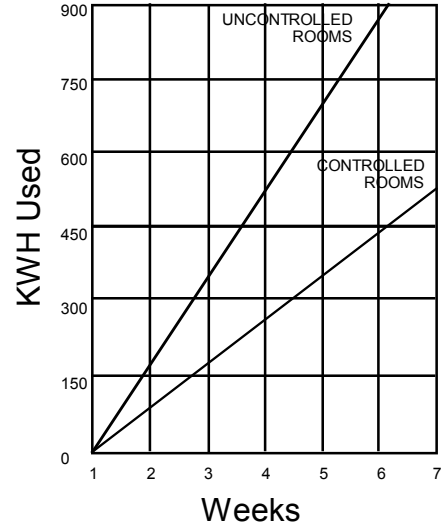
Dial
 Max. heating temp.
 Min. cooling temp.
 Recovery time (min.) 5-60

Jumper
 Enable/Disable accessory contact
 Enable/Disable alarm contact
 Enable/Disable

3 levels of Comfort:

1. Occupied
2. Rented but unoccupied
3. Unrented

Illustration of KWH Savings Using Occupancy Sensing Thermostat in a Typical Hotel, Motel or Office



ACCESSORIES

Remote Temperature Sensor TR000100
 Return Air Temperature Sensor TR000100

Auto changeover between heating and cooling can be accomplished when used with:

Heating/Cooling Changeover Switch:
 For 1/2" to 1 1/4" pipe AC000100
 For 1 1/4" to 3" pipe AC000101

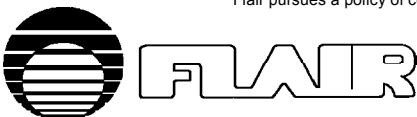
Remote Control:
 Transmitter TR000001
 (Compatible with internal and external remote control receivers.)
 Receiver (external) TR000010
 (May be located in other rooms and wired to thermostat. Receives signal from transmitter.)

REFERENCES

For More Information On: See: _____

Wiring, jumper, settings and applications	Instruction sheet
Other thermostats	This section
Zone Actuators	Star Actuator section
Zone Valves	Star Valve section
Wiring Panels	Control Panels sect.
Warranty & pricing	Pricing & Terms section

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



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TT23P2