

SofTouch® T60/T61 series Thermostat single/ Multi stage heat and cool

Description:

The SofTouch series is a touch screen thermostat that can be programmed as a Heat only, Cool only, Heat/Off/Cool, Heat/Off/Cool/Auto

In addition it can be programmed as a programmable (5-1-1 or 7 day) or as a manual thermostat. The LCD screen and the numbers very large, making it the easiest thermostat to read at distances of 20ft. The attractive design fit any decor.

Applications:

Can be used with most heating/cooling applications that have single stage requirements, including water source heat pump.

Features:

Multi thermostat all in one - Heat only; Cool only; Heat/Off/Cool; Heat/Off/Cool/Auto programmable (5-1-1 or 7 day); Non-programmable. Once the type thermostat is selected only those function that are associated with the model are displayed.

Large LCD Display and numbers - most large screen thermostats do not have numbers that are of this size. The temperature can be read from a 20ft distance.

SofTouch® Screen - no button just softly touch the screen and the temperatures, programs, etc. can be set.

Easily walk-through-display instructions - as you program the thermostat, the display shows you the steps to be selected and programmed. No complicated manuals to read.

Remote Occupancy sensing - any sensor such as a motion, light, energy management system, burglar alarm, switch, etc. will place the thermostat in the occupied/unoccupied mode. (see CAS Occupancy sensor S-PIRO-W1)

Comfort Limits - can be set for heat and cool, preventing people from setting (heat and cool) to energy wasting extremes.

SoftStop (un-occupied) setting - Thermostat Heat and Cool setting can be programmed to activate the heating and cooling when the room becomes un-occupied or switched to "Off" thus keeping the room from getting to cold or to hot, keeping mildew from growing. The SoftStop can deactivated if not required.

Key Off - turns of key pad functions for 30 seconds, so screen can be cleaned.



Specifications

Storage Range: -20°F to 135°F

Temperature Control range: 44°F (7°C) to 90°F (32°C)

Accuracy: ±1°F

Differential: Adjustable 0.5° to 3°F

Input Voltage: 24 VAC or Battery powered
2 ea. "AA"

Load rating per circuit : 1 amp @ 24 VAC

System Stages: see model selection

System: Heat/Off/Cool; Heat/Off; Cool/Off
(see model)

Low Battery: icon will display when battery is low on power

Temperature setting off-set: -3°F to +4°F

Programmable or Non-programmable:
5-1-1 / 7 day: 4 events per day

Fan Function: Auto/On - Gas or Electric selection

°F/°C - selection

Comfort Limits: Heat and Cool 40°F / 90°F

Occupancy setting: Heat and Cool 40°F / 90°F

Time Delay: selectable "none / 3 minute heat & cool"



**Controlled
Air Systems**

I
n
C

PO Box 347
Bedminster, PA 18910
Ph. 215-795-2225 Fax 215-795-2223

Advanced Energy Management Controls Systems

Model Selections

Catalog No.	Stages	System Function	Wiring terminals
T60-AB3B11	1 Ht / 1Cl	Heat/Off/Cool; Heat/Off; Cool/Off	Rh, Rc, W, Y, B, O, C, OC, OC
T61-AB3B11	2 Ht / 2Cl	Heat/Off/Cool/Auto; Heat/Off/Cool; Heat/Off; Cool/Off	Rh, Rc, W1, W2, Y1, Y2, B, O, OC, OC

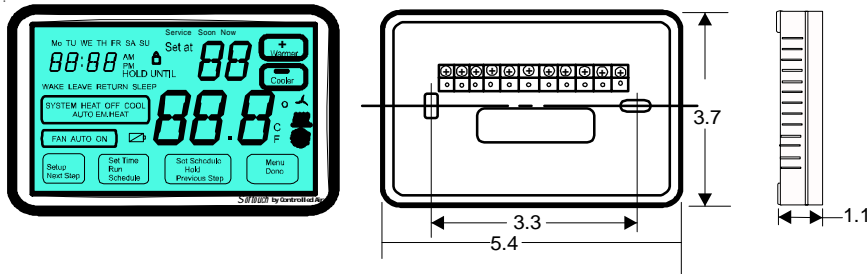
Single Stage

Wiring Diagram

Two Stage

<u>Relay coil connections</u>		<u>Relay coil connections</u>	
T	Rh _____ 24 VAC heat	T	Rh _____ 24 VAC heat
H	Rc _____ 24 VAC cool	H	Rc _____ 24 VAC cool
E	W _____ 1 stage heat	E	W1 _____ 1st stage heat
R	Y _____ 1 stage cool	R	W2 _____ 2nd stage heat
M	G _____ Fan	M	Y1 _____ 1st stage cool
O	B _____ Rev. valve/damper heat	O	Y2 _____ 2nd stage cool
S	O _____ Rev. valve/damper cool	S	G _____ Fan
T	C _____ Common	T	B _____ Rev. valve/damper heat
A	Oc _____ Occupancy sensor	A	O _____ Rev. valve/damper cool
T	Oc _____ Occupancy sensor	T	C _____ Common
			Oc _____ Occupancy sensor
			Oc _____ Occupancy sen

Dimensions



Engineering Specifications

The SofTouch thermostat shall have dual input capabilities being 24 VAC and standard battery powered that can be replaced without removing the wiring to the system. The key pad shall be lockable by programming. All of the temperature setting and performance temperature criteria shall be programmable. The display shall be large, as is the numbers that shall be readable from 20 ft. Gentle touching of the screen allows programming. The thermostat shall be an "all-in-one" in that it can be programmed to be Heat/Off/Cool/Auto; Heat only, Cool only; Heat/Off/Cool/Auto; It can be programmable 5-1-1 or 7 day or non-programmable. When the type thermostat is selected all other functions not related to the mode shall not appear. The thermostat shall have capability of using a remote sensor to change from occupied /unoccupied settings.

Limited Warranty

The SoftTouch series (T60/T61/T62) carry a 3 year warranty against any product defects or poor workmanship. If the product shall be come e defective the thermostat must be brought back to the purchaser. The purchaser will make arrangements to have it returned to the factory. In no case will Controlled Air Systems, Inc. or any of its distributors be liable for any damages to property, life, etc. Our only responsibility is to replace or rework the thermostat. This is a limited warranty, For full details contact Controlled Air Systems, Inc.

Controlled Air

Controlled
Air Systems

I
n
c

PO Box 347
Bedminster, PA 18910
Ph. 215-795-2225 Fax 215-795-2223