

SADIGI THERMOSTAT

Description:

The SADIGI is a single stage gas/electric, hard wired (non-power robbing) thermostat. It can control one heat, one cool and blower fan. It can run in Heat, Cool, or Auto changeover mode. Setpoint range is from 52° to 86° Fahrenheit. The mode and setpoints are stored in nonvolatile memory so they will be remembered even if power is interrupted.

The SADIGI has a bright and easy to read digital display and is simple to operate. Up and down push buttons select the mode and setpoint(s). See opposite page on how to operate.

Cooling will be initiated 2 degrees above the cooling setpoint and, after running a minimum of 2 minutes, will turn off at the cooling setpoint. In cooling, the compressor and blower fan are energized (R made to Y and G)

Heating will be initiated 2 degrees below the heating setpoint and, after running a minimum of 2 minutes, will turn off at the heating setpoint. In heating, only the gas valve is energized (R made to W).

The heating setpoint can never be higher than the cooling setpoint and vice versa. If the setpoints are crossed while adjusting, both setpoints will be equal.

Whenever the SADIGI initiates a heat or cool call, the call will continue for a minimum 2 minutes even if the room temperature satisfies. This helps minimize short cycling.

Under the cover of the thermostat there are two mode status lights. One red and one green. The red light is on when the thermostat is making a heat call. The green light is on when the thermostat is making a cool call.

To Calibrate:

The SADIGI thermostat is factory calibrated. If calibration is required, with the thermostat cover on, place the sensor probe of an accurate digital thermometer next to the blue thermistor in the lower left corner of the thermostat. Note how much the thermostat is off. Remove cover. Using a very small screwdriver, turn the potentiometer, labled R-11, next to the thermistor until the display changes the amount noted. **Note:** Keep hand away from sensor to prevent false temperature reading. Do not take temperature reading with cover off.

Features:

- Large, bright LED display
- Heat, Cool, Auto Mode
- Nonvolatile memory
- Small attractive design
- Simple, single potentiometer calibration
- Heat/Cool calling indicator lights
- Environmentally safe, mercury free.
- +/- 1 degree Fahrenheit accuracy.
- Dual setpoint capability.
- Simple two push button operation.

Mounting Instructions:

Mount directly to the wall or onto a vertical mounted 4 x 2 electrical outlet box.

Compatibility:

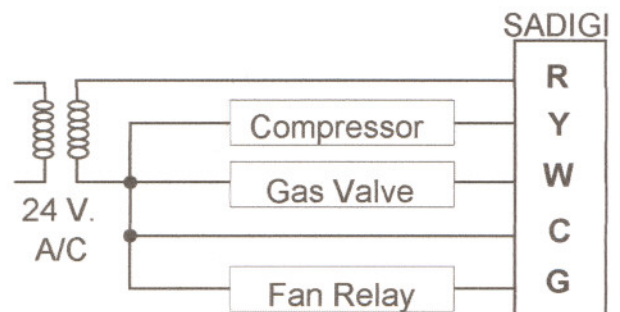
The SADIGI is compatible with any standard gas furnace or A/C unit.

Specifications:

Control Range:	52 degs. to 86 degs. F
Min. Heat/Cool Diff:	4 degs.
Accuracy:	1 deg. F at 75 degs. F
Min. Dead Band:	2 degs. between heat and cool
Terminations:	R C W Y G
Part Number:	SADIGI
Dimensions:	4 1/2"H x 2 7/8" W x 1"D
Minimum call:	2 minutes

Wiring Instructions:

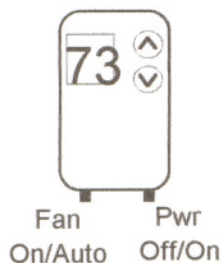
Wire to Furnace and/or Air Conditioner as shown below.



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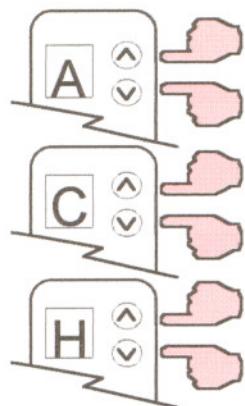
Board #: 961212B, MCU #: SADIGIV2/V2.1

SADIGI THERMOSTAT OPERATING INSTRUCTIONS



SLIDE SWITCHES

There are two switches located on the bottom of the thermostat. The switch on the left controls the fan and the switch on the right powers the thermostat. Sliding the fan switch to the left turns the indoor blower fan on continuously. Sliding it to the right runs the fan only when the air conditioner is on. Slide the power switch to the right to turn on the thermostat and to the left to turn it off.



MODE

The SADIGI thermostat can operate in three different modes: Heat, Cool or Auto. In Heat mode, the SADIGI can only make heat calls and only the heat setpoint can be viewed or changed. In Cool mode, the SADIGI can only make cool calls and only the cool setpoint can be viewed or changed. In Auto mode, the SADIGI can make either heat or cool calls and both the heat and cool setpoints can be viewed.

View mode: To view the current mode, press the top and bottom buttons simultaneously. The present mode will be displayed by the letter H, C or A.

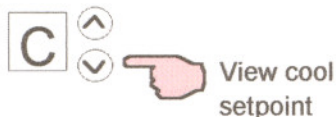
Change mode: To change the mode, continue simultaneously pressing both the top and bottom buttons till at the mode desired, then release both buttons.

SETPOINTS

When the SADIGI thermostat is in Auto or Heat mode, the furnace will turn on when the room temperature drops two degrees below the heat setpoint and, after running a minimum of 2 minutes, turn off when the temperature has risen to the heat setpoint. When in Auto or Cool mode, the air conditioner will turn on when when the room temperature rises two degrees above the cool setpoint and, after running a minimum of 2 minutes, turn off when the temperature has dropped to the cool setpoint.

View/change heat setpoint: The heat setpoint can be viewed when in either Auto or Heat mode. To view the current heat setpoint in Auto mode, press the top button till "H" appears and then release. To view in Heat mode, press either the top or bottom button till "H" appears and then release. The heat setpoint is displayed after "H". To change the setpoint, immediately after the setpoint is displayed press and hold either the top or bottom button till the setpoint is at the desired value and then release. Approximately two seconds after the button is released the current room temperature will be redisplayed.

View/change cool setpoint: The cool setpoint can be viewed when in either Auto or Cool mode. To view the current cool setpoint in Auto mode, press the bottom button till "C" appears and then release. To view in Cool mode, press either the top or bottom button till "C" appears and then release. The cool setpoint is displayed after "C". To change the setpoint, immediately after the setpoint is displayed press and hold either the top or bottom button till the setpoint is at the desired value and then release. Approximately two seconds after the button is released the current room temperature will be redisplayed.



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