

## INSTALLING A PROGRAMMABLE THERMOSTAT

A programmable thermostat lets you preset the times your home is heated, so heat can be lowered while you are asleep or out of the house.

### ADVANTAGES

- Heat can be lowered when the house is unoccupied or at night
- Saves energy and money on heating bills automatically.

Tools required : Screw driver , pencil

Materials Required : Screws , new programmable thermostat

Estimated time taken: 1 hour

Project cost: Programmable thermostats costs start from \$30 ; get one free with a home energy audit

Estimated energy savings : 10% a year on heating bills by turning temperature down 10 - 15% for 8 hours each day

### INSTALLATION

Consult your local hardware store to find the right thermostat best suited to your needs.

### HOW TO

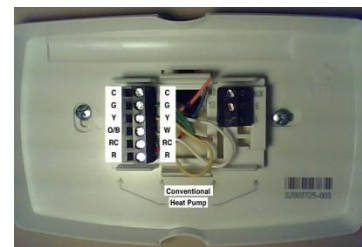
**Step 1:** Turn off the electrical power to the furnace at the circuit breaker.

**Step 2:** Pull off cover from existing thermostat. Unscrew thermostat from its wall-mounted sub-base (the part of the thermostat that is directly mounted on the wall) and loosen wires connected to thermostat, then remove the old sub-base.

**Step 3:** Hold sub-base of new thermostat to wall where the old thermostat was previously located. Mark the wall through mounting holes on the base, remove sub base from wall and drill holes where the marks were made.

**Step 4:** Remove sub-base and drill the mounting holes where marks were made. Screw the sub-base unit to the wall and make sure it is secure in place.

**Step 5:** Thermostat wires are typically color coated. Connect red wire to "R" screw terminal, and white wire to "W" screw terminal. If wires are not color coated, follow the wiring instructions from your new thermostat.



**Step 6:** Insert batteries into the thermostat and snap on the cover. Install the thermostat body to the sub-base.

**Step 7:** Turn the service switch back on. Program the desired temperature settings according to the instructions from the thermostat.



Source: [DIY net – How to install a programmable thermostat](#)

### **ADDITIONAL RECOMMENDATIONS**

Avoid placing equipment lamps near the thermostat. The thermostat detects heat from these appliances and causes the air conditioner to run longer.