

661234 LCD Programmable Thermostat

A. Installation, Mounting:

Caution:

- Turn off 661234, the electronic source and the electrical devices (e.g. heater, cooler) which will be connected before installation.
- The installer must be a trained service engineer.

1. Installation Location:

The thermostat should be mounted on an inner wall 1.5m above the floor in position where it is readily affected by changes of the general room temperature with freely circulating air. Prevent direct exposure to sunlight; dripping or splashing air. Do not place this unit at a location where air circulation is low, or where it has great temperature changes (e.g. near door). Do not place the thermostat near heat/cool generating sources (radiators, hot air vents, TV or lights).

2. Wiring:

- There are 5 wiring terminals at the top-right corner at the back of 661234, labeled as RH/RC(Live) (RH-RC Jumper is required for Single Transformer), to Live, "W"(Heater), "Y"(Cooler), "G"(FAN) "H", "C", "G" are output to heater, cooler and Fan.
2.2 DO NOT CHANGE OR EXCHANGE ANY WIRINGS.
- Jumper at HE when electric heat is selected, then the FAN will be ON when Heat or Cool is ON when Fan Auto is set. If Jumper is at HG then FAN will be ON when Cool is ON and Off when set at Heat when Fan Auto is set.
- It is recommended that 1Amps fuse or protective device in the live circuit. (Please refer to the wiring diagram on the last page.)
- Push all cables back into wall prior to fixing to avoid trapping wires.
- Do not use metal conduit or of cable provided with a metal sheath.

3. Mounting:

Using the accessory screws and wall anchors provided, mount the thermostat with the key-hole at the back. The thermostat should be mounted on the wall as shown in step 1-3 of figure 1.

Install or replace the battery:

Caution: Turn off the electrical devices and disconnect the supply to the appliances before replacing the batteries. Replace only with the same or equivalent type of batteries. Do not dispose the used batteries with household waste. Refer to your local area for the proper disposal.

- Pull out the battery drawer.
- Place the new batteries according to the marking on the battery drawer.
- Dispose the old batteries properly.
- Insert the battery drawer back to its position
- Check if the thermostat works properly or not. Press "RST" if necessary.

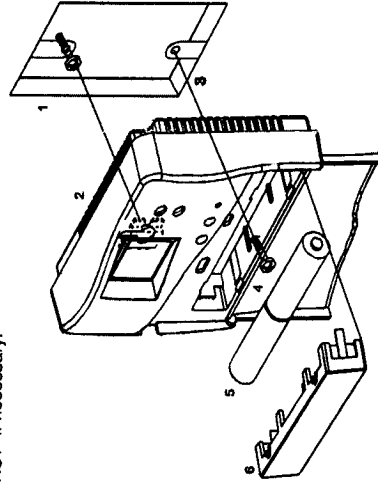


Figure 1

- Slide Switch at Back and HEAT/COOL slide switch: In Winter put the HEAT/COOL slide switch at HEAT, while in summer set it at COOL. The slide switch at Back set the delay time of the heater/cooler from OFF to ON:

	HEAT	COOL
NO DELAY	10sec	5min
DELAY	5min	5min

Note: When COOL is set, the delay time to ON is fixed at 5 min.

5. Jumper Option:

Select HE for electric heater to have Fan On at Fan Auto either at Heat or Cool selection.
 Select of HG to have Fan On at Fan Auto only at Cool selection.

B. Start/Reset:

- After wiring, mounting and switch off all connected devices, 2 new AA 1.5V alkaline batteries are placed according to the polarities marked. LCD display will be switched on.
 Press "RST" to reset. It will be ready for Controlling the heater/cooler. The heater/cooler will remain at OFF until LT06 activate the output ON and Q display.

C. Normal Time Mode:

- Temperature detection starts and LCD displays the room temperature. If Battery is LOW is displayed, the recent batteries must be replaced with new batteries.
- Defrost is displayed when room temperature is below 40°F.
- temperature control at 41°F with ON @ Heat & OFF @ Cool

D. Normal Time Setting Mode:

- Press < D/T > the Day of Week (MO-SU) will flash, press < T >, < D > to make Day of Week changes.
- Press < D/T > the Time will flash, press < T >, < D > to make Time changes.
- Hold < T >, < D > to make Time fast changes.
- Press < MAN > toggle the 12/24 HR
- Press < RTN > jump back to Normal Time Mode, or auto-return after 10 seconds.

E. Standby Mode:

- is displayed
- Press < PRG > Standby Temperature flashing, press < T >, < D > to make temperature changes.
- Press < RTN > jump back to Normal Time Mode, or auto-return after 10 seconds.
- Press < PRG > Standby Temperature flashing, press < MAN > to disable the standby mode and "..." display.
- Press < RTN > jump back to Normal Time Mode, or auto-return after 10 seconds and disappears.

F. Factory Defined Programs:

	Mon - Fri	Sat	Sun
P1	06:00 (70°F)	07:00 (70°F)	08:00 (70°F)
P2	06:30 (62°F)	11:00P (62°F)	10:00 (62°F)
P3	05:00P (70°F)	--	--
P4	11:00P (62°F)	--	--

G. Set Program Time:

- Press < PRG > Standby Temperature flashing, press < MAN > to disable the standby mode. Toggle to enable and disable Standby Mode or Program Mode.
- Press < PRG > MO TU WE TH FR Morning Program is displayed and 6:00 flashing, press < T >, < D > to make Time changes in step of 10 min.

- Press < D/T > the Program temperature flashing, press < T >, < D > to make temperature changes.
- Press < PRG > MO TU WE TH FR Afternoon Program is displayed and 8:30 flashing, press < T >, < D > to make Time changes in step of 10 min.
- Repeat point 2 to 4 for changes to MO TU WE TH FR Evening and Night Programs and SA & SU Morning & Night Programs.
- Press < MAN > to disable the program mode. Toggle to enable and disable Standby Mode or Program Mode.
- Press < RTN > jump back to Normal Time Mode, or auto-return after 10 seconds.

H. Manual Override Mode:

- Hold < MAN > for 1 sec. in the Normal Time Mode will enter the Manual Override mode with displayed and the control temperature flashing.
- Press < T >, < D > to make temperature changes.
- Press < RTN > jump back to Normal Time Mode, or auto-return after 10 sec.
- Manual Override mode will be released in next Program. It can be override by
- It can be override by Standby Mode but not auto release

I. Specification:

- Temperature measurement: 32 - 99°F (1°F/step) ± 1.0°F
- Accuracy: 41 - 95°F (1°F/step) ± 2/-1°F
- Temperature control range: per 10 sec.
- Temperature detection: 24VAC 50/60Hz 1A resistive
- Temperature Span: 2 x 1.5V AA alkaline battery
- Switching: 32 - 104°F
- Battery: 5-90% non-condensing
- Operating temperature: 32 - 122°F
- Storage temperature: 5-90% non-condensing
- Operating humidity: 5-90% non-condensing

Terminal block connecting Label:

