

T631W-2TX Operation Instruction

✧ **Specification**

1. Temperature display range: 0-40 °C(32-99°F)
2. Temperature control range: 7-32°C(44-90°F)
3. Accuracy: ±1°F(at 68 °F)
4. Power source: 2X AA 1.5V BATTERY
5. Load Rating: 1.5 Amp maximum
6. Static current: ≤ MA(DC3V)
7. Reading temperature current: ≤0.25MA(DC3V)
8. Backlight on current: ≤MA(DC3V)
9. Blue backlight
10. RF frequency: 916MHZ.

✧ **T631W-2 TX:**

When thermostat is connected with power, it will show full display and stay in continuous transmission mode (it's test mode), press “+”/“-” key to enter into normal mode.

✧ **TEMPERATURE SETTING**

Press “+” or “-” to set temperature.

✧ **FAN SETTING**

1. In LOW position: GL is continuously on.
2. In HIGH position: GH is continuously on.
3. In AUTO position: it follows system to turn on or turn off.

✧ **SYSTEM SWITCH SETTING**

1. COOL: it runs in cool mode. When cooling is on, it will display “ON”.
2. OFF: system will not work.
3. HEAT: it runs in heat mode. When 1st heating is on, it will display “ON”. When 2nd heating is on, it will display “+1”.

✧ **Technical Setting**

1. HEAT SWING SETTING

In HEAT mode, hold down “+” and “-” key for 3 seconds to flash “04” (factory default 0.4). Press “+” or “-” key to set heat swing range from 02 to 20 (0.2 - 2.0) degree. It will automatically confirm and exit in 15 seconds if no further key pressing.

2. COOL SWING SETTING

In cool mode, hold down “+” and “-” key for 3 seconds to flash “05” (factory default 05). Press “+” or “-” key to set cool swing range from 0.2 to 2.0 (0.2 - 2.0) degree. It will automatically confirm and exist in 15 seconds if no further key pressing.

3. CALIBRATION SETTING

In OFF mode, hold down “+” and “-”key for 3 seconds to display “CA” and flash “0” (factory default 0). Press “+” or “-” key to set calibration range from -4 to 4 degree. It will automatically confirm and exit in 15 seconds if no further key pressing.

4. B/O (for HEAT/COOL) SETTING

Last step don't confirm, hold down “+” and “-”key at the same time to display “CO” and flash “b” (factory default b). Press “+” or “-” key to select b or o. It will automatically confirm and exit in 15 seconds if no further key pressing.

5. HEAT PUMP SETTING

Last step don't confirm, hold down “+” and “-”key at the same time to display “HU” and flash “OF” (factory default OF). Press “+” or “-” key to select ON or OF. It will automatically confirm and exit in 15 seconds if no further key pressing.

6. HEAT LIMIT SETTING

Last step don't confirm, hold down “+” and “-”key at the same time to display “HE” and flash “32” (factory default 32). Press “+” or “-” key to set range 7-32. It will automatically confirm and exit in 15 seconds if no further key pressing.

7. COOL LIMIT SETTING

Last step don't confirm, hold down “+” and “-”key at the same time to display “CL” and flash “7” (factory default 7). Press “+” or “-” key to set range 7-32. It will automatically confirm and exit in 15 seconds if no further key pressing.

8. LEARN

Last step don't confirm, hold down “+” and “-”key at the same time to display “LE”. Hold “+” key for 3 seconds to send learning code, LE will flash 3 times when it's sending signal. Press “+” or “-” key to exit. It will automatically confirm and exit in 15 seconds if no further key pressing.

✂ JUMPER PIN SETTING



1. F/C: $F=^{\circ}F$, $C=^{\circ}C$
2. DELAY ON/OFF

ON: delay 5 minutes when compressor is on. It will flash “ON” during delay period. OFF: without delay.

✂ ELEC/GAS SETTING (On PCB board)

1. In COOL mode it follows system with G to turn on or turn off (It's not controlled by ELEC/GAS).
2. In HEAT mode, if select ELECT, G follows system to turn on or turn off; if select GAS, G is off.

✂ LOW VOLTAGE INDICATION

When AC power supply is disconnected, if batteries voltage is below 2.7V, it will display  symbol. If low voltage lasts for 21 days, it will enter into display SLEEP mode. LCD only flash  symbol. Press any key to resume normal display for 1 minute, then it returns display SLEEP MODE.

✈ **RESET**

1. Press “RESET” key once (on the PCB board) to reset thermostat.
2. Hold down “+” key, then press “RESET” key (on PCB) once to resume factory defaults.

✈ **T631W-2 RX SPECIFICATION**

1. Power source: (1) 24V AC (18- 30V)
2. RF frequency: 916MHZ.

✈ **T631W-2 TX and RX COMMUNICATION**

1. Hold T631W-2RX key for 3 seconds, blue LED will flash.
2. Let T631W-2TX enter into learning status (step 8 on Technical setting), then hold “+” key for 3 seconds. Blue LED on RX will stop flash when learning code is successful.

✈ When T631W-2RX connected with power, blue LED will be constantly on. It will flash 3 times when it received signal from TX. When relay is on, relevant LED will turn on.

✈ If T631W-2 RX can't receive signal from TX for 15 minutes, all relays will turn off (all LED are off) until receive signal from TX.

✈ **Line connector**

R-----24VAC (system power supply) HEAT=R TO WY COOL=R TO Y\GH
GL
C-----COMMON24VAC (SYSTEM POWER SUPPLY)
W-----1 ST HEAT-----Red LED
Y-----1 ST COOL-----Blue LED
GH \GL----FAN-----Green LED
B\O----- HEAT\COOL-----Orange LED

Statement according to FCC part 15.19:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Statement according to FCC part 15.105:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

Statement according to FCC part 15.21:

Modifications not expressly approved by this company could void the user's authority to operate the equipment.