

SS0506

BROAD RANGE THERMOMETER

1. Features

- 1.1 Indoor and Outdoor thermometer sensing.
- 1.2 Max/Min. Indoor/Outdoor Temperature value display.
- 1.3 Temperature Alert between $-50^{\circ}\text{C} \sim +300^{\circ}\text{C}$.
- 1.4 Real Time Clock.
- 1.5 Count UP/DOWN Timer with 99:59:59 max.
- 1.6 Thermometer function:
 - Measuring range : $-50^{\circ}\text{C} \sim +300^{\circ}\text{C}$
 - Resolution : 0.1°C
 - Precision : 1°C
 - Sample rate : Every 2 or 10 seconds for IN and OUT Door temperature
- 1.7 1.5V application
- 1.8 LCD Drive: 1/2 Bias, 1/5 Duty

2. LCD

3. Keys & Switches

3.1 Push button type:

- 3.1.1 [ON/AUTO/OFF] : -multi-functions against selected mode
- 3.1.2 [MODE] : -multi-functions against selected mode
- 3.1.3 [SET] : -multi-functions against selected mode
- 3.1.4 [▲] : -multi-functions against selected mode
- 3.1.5 [▼] : -multi-functions against selected mode
- 3.1.6 [Light] : Light the lamp

3.2 Slide switch type:

- 3.2.1 [IN/OUT]: Toggle the display of IN/OUT Door temperature.
- 3.2.2 [$^{\circ}\text{C}$ / $^{\circ}\text{F}$] : Toggle the display of $^{\circ}\text{C}/^{\circ}\text{F}$ temperature

4. Features description

4.1 Normal

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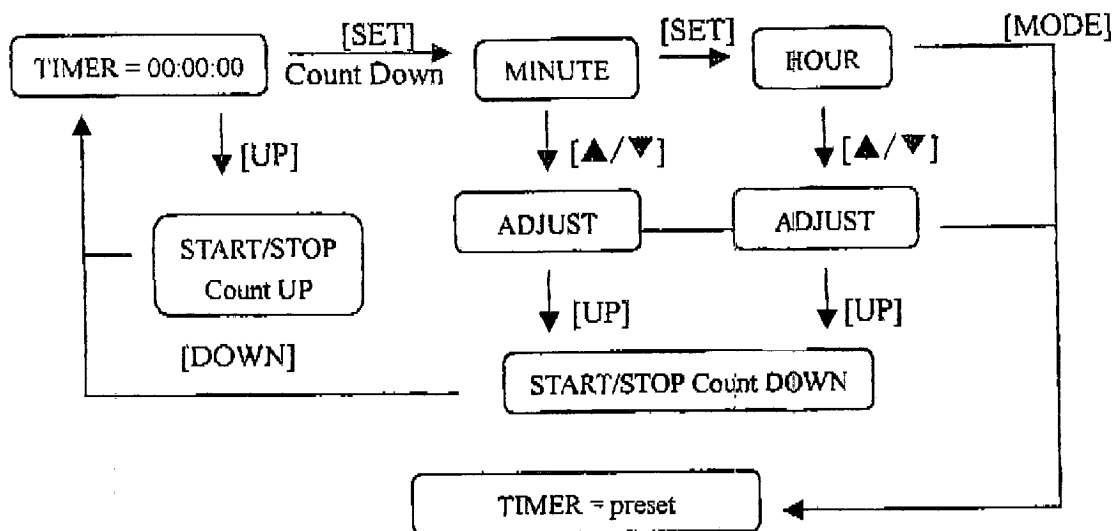
To set the time, switch the mode to Clock mode, then press the <SET> key to enter Clock setting state.(Hour digit in flashing)

Press <▲/▼> to set hour

Press <SET> to set minute, Press <▲/▼> to set Minutes.

Press <SET> key again return to Clock mode.

4.3 TIMER FUNCTION:



To set the timer, switch the mode to Countdown Timer mode,

Press <SET> to set countdown mode, press <▲/▼> to set hour

Press <SET> to set minute, press <▲/▼> to set minutes

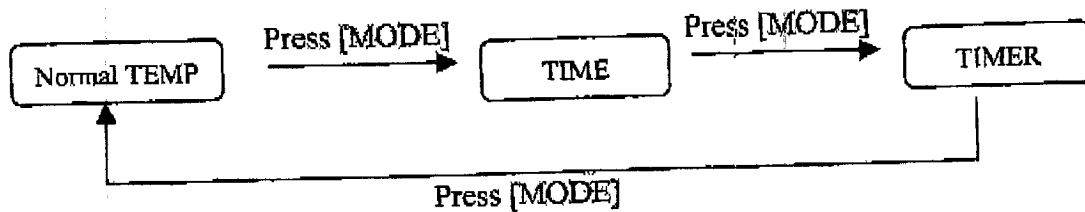
Press <SET> to back to normal display.

Press <▲> to start and halt the timer.

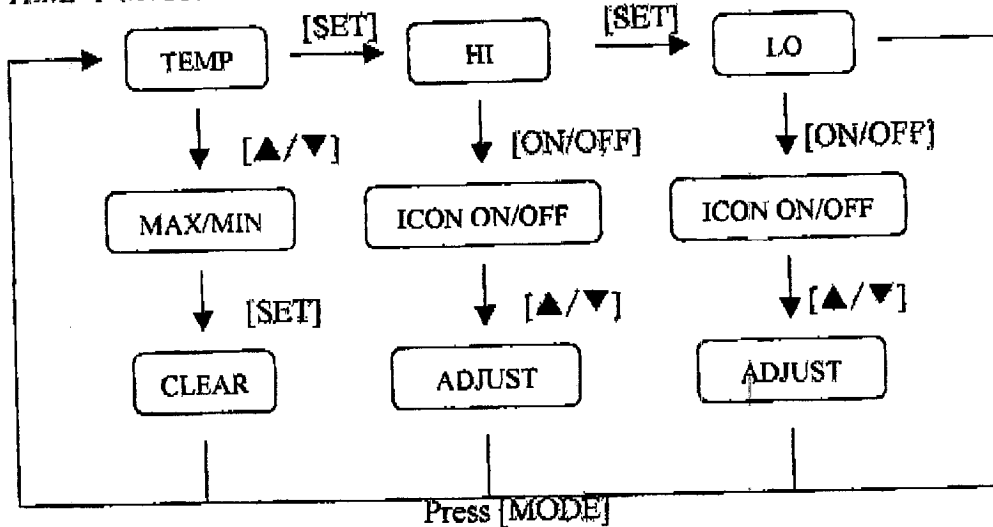
When the timer is halted, press <▼> to clear the timer and reset the seconds.

□□□□□□□□

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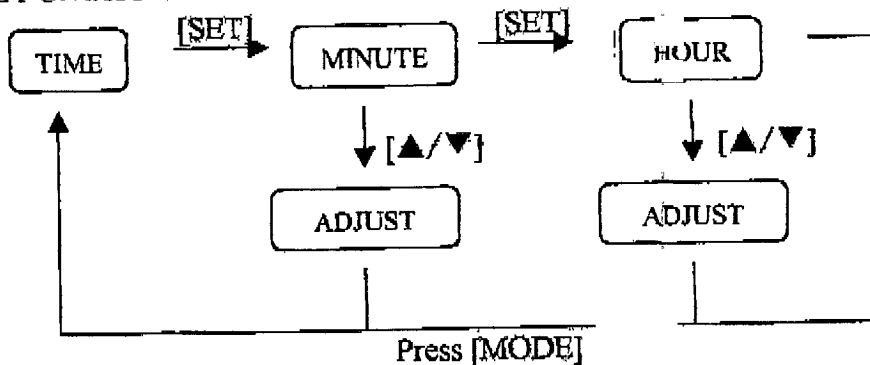


4.1 TEMP FUNCTION:



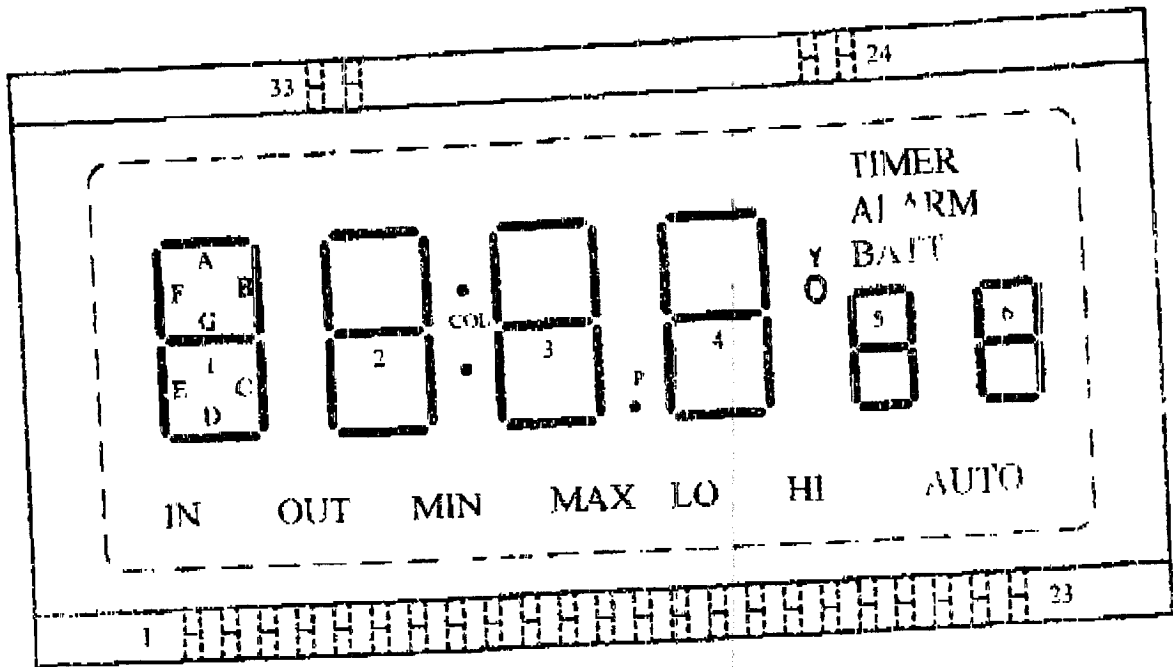
When the temperature is in the Alert range ($-50^{\circ}\text{C} \sim +300^{\circ}\text{C}$) and the Alert is set to ON, the buzzer will sound and the “ALARM” symbol in flashing, press any key to stop the sound. At this moment, the “ALARM” symbol still flash except the temperature is escape from the Alert range.

4.2 TIME FUNCTION:



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LCD



LCD引脚

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
COM1	—	1E	1C	1D	MIN	2D	2E	2C	2C	4D	3E	3G	3C	—	4E	4G
COM2	COM2	1F	1N	OUT	MAX	1B	2F	2A	2B	COL	3F	3A	3B	1P	4F	4A

PIN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
COM1	4C	ALARM	5E	5D	LO	5A	COM1	—	BATT	6C	6G	6E	6D	—	—	1G	COM1
COM2	4B	Y	5F	5G	HI	PM	—	COM2	AUTO	6B	6A	—	TIME	R	5D	1A	—

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