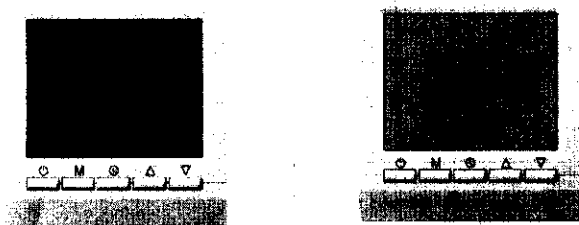


ME83Heating Thermostat Manual



Application

The thermostat is recommended for control of electric heating devices or on/off valve actuator used in water-based system.

User Operation

- ⏻ Power Key** : Press the On / Off key to turn the system on or off.
- M Mode Key** :You can select "period control mode" or "manual mode" by this key
- ▲▼ Up / Down key** : Press the Up and Down keys to set the temperature and adjust system parameters. And press Up and Down simultaneously and hold for 5 seconds to enter lock key function.
- 🕒 Clock key**: You can adjust the time and the week by this key.
- 🌞 Manual mode**: Set the temperature manually by this key.
- 🕒 Automatic mode** : Adjust to the automatic mode, the thermostat will work cyclically by week programming.

Anti-frozen function

In the state of shutdown, the thermostat will turn on the heating device automatically When the room temperature is below 5°C. when the room temperature is above 7°C, the thermostat will turn off the heating device automatically.

Technical data

- 1. Temperature sensor : NTC
- 2. Temperature accuracy : $\pm 1^{\circ}\text{C}$
- 3. Power consumption : <170uW
- 4. Voltage: 1.5Vx2(Two sections of 1.5V 5 battery)

5. Load current : 3A

6. Temperature setting : 5~90°C

7. Protection Class : IP20

Programming: 6 –event time and temperature

In the shutdown state, long press mode key "M" and the clock key "🕒" for 5 seconds to enter programming mode. you can switch parameters by mode key. After entering the programming mode , press mode key to adjust "hour", then press mode key to adjust "minute". Press the mode key again to adjust temperature.

1. Wake-up 2. Leave 3 Return(am) 4. Leave(pm) 5. Return(pm) 6. Sleep

Key	Event	Symbol	Time	▲ ▼	Default value	▲ ▼
M	Week day	01	🌞	06:00	Set time	20°C
		02	🌞	08:00		15°C
		03	🌞	11:30		15°C
		04	🌞	12:30		15°C
		05	🌞	17:00		22°C
		06	🌞	22:00		15°C
	Weekend	01	🌞	08:00		22°C
		02	🌞	23:00		15°C

Advanced setting (qualified person preferred)

Press "▲" and "▼" at the same time to enter the mode of advanced setting immediately when thermostat is turned off. The following seven functions can be chosen by "M" key.

Symbol	Setting	Default value	▲ OR ▼
1	Temperature calibration	-2	Adjust measured temperature range:-9~9°C
2	Overheating protection	60°C	Adjust range:5°C~60°C
3	Switching differential	1°C	Adjust switching differential range:1~5°C
4	Anti-frozen function	ON	Turn ON/OFF Anti-frozen function
5	Kinds of periods of time mode	01	0F: Close 01:5+2 day mode 02:6+1 day mode 03:7+0day mode
6	Max. temperature	40	Adjust range:30°C~90°C
7	Set the lower limit of temperature	10	Adjust range:5°C~20°C
8	Reset to factory settings	☰	Press "▲" and hold for 3s. all parameters will be reset