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NOYAFA NF-567 Temperature Time Controller User Manual

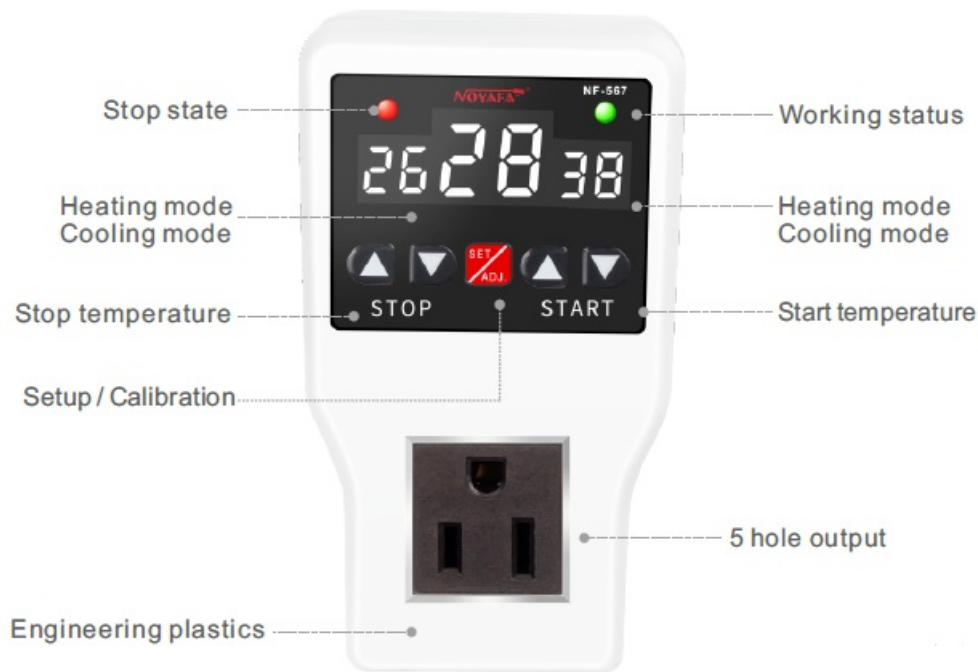**Contents**

NOYAFA NF-567 Temperature Time Controller

Overview

NF-567 is antemperature Time Controller. This product uses microcomputer control technology and microprocessor as the core to realize intelligent control output of temperature and time. The operation is convenient and simple. Users can set and control the work and stop of other equipment according to their own use. It is suitable for temperature and time control of breeding room, farm, incubator, cold and hot ventilator, electric heating equipment, water pump, boiler, and various household appliances.

The working principle

The instrument automatically samples the environment temperature through the temperature sensor and detects it. When the environment temperature is the same as the starting temperature set by the temperature controller, the control circuit of the temperature controller starts When the ambient temperature and the temperature controller set the same stop temperature, the temperature controller control circuit to stop running.

Product buttons description

Stop state — Working status

Heating mode / Cooling mode — Heating mode / Cooling mode

Stop temperature — Start temperature

Setup / Calibration

5 hole output

Engineering plastics

Operating Instructions

The temperature setting range of the temperature Time Controller

The temperature setting range of the temperature controller is -9°C to 99°C. The red digital tube in the middle displays the actual temperature detected by the sensor in the current environment, and the left and right digital tubes display the stop and start temperatures set by the user.

Stop /start temperature

After 2 seconds of power-on display, the red in the middle shows the actual temperature sensed by the sensor, and the white on the left and right show the stop temperature and start temperature set by the user respectively.

High temperature start (Refrigeration control)

When "stop temperature" < "start temperature", the temperature controller is in the "high temperature start" state as shown in the figure. At this time, the green light is on, and the socket is powered. It is mainly used for cooling, such as turning on the air conditioner, exhaust fan, etc.

Low temperature start (heating control)

When "stop temperature" > "start temperature", the temperature controller is in the "low temperature start" state as shown in the figure. At this time, the red light is on, and the socket is powered off. Mainly used for heating.

Local calibration function

Press the SET key for more than 3 seconds to enter the calibration menu, use the up and down keys to calibrate between -5 and 5 degrees, and select 0 without correction.

Description of the temperature control function of thetemperature Time Controller

1. **Refrigeration control**

   When "stop temperature" < "start temperature", the temperature controller is in the "high temperature start" state. At this time, the green light is on and the socket is powered. It is mainly used for cooling, such as turning on the air conditioner, exhaust fan, etc.

2. **Heating control**

   When "stop temperature" > "start temperature", the thermostat is in the "low temperature start" state as shown in the figure. At this time, the red light is on, the socket is powered off, and it is mainly used for heating.

3. **Alarm Function**

   When the actual temperature value is higher than 90°C, the red and green indicator lights will flash and alarm at the same time.

4. **Power off memory**

   If there is a power failure during operation, all the parameters last set by the temperature sensor will be automatically saved, and it will automatically run according to the settings before the power failure after the power supply is restored.

Time control of Temperature Time Controller

Temperature controller time control mode: use the internal clock signal of the MCU.

Intermittent time control function
Press the middle setting button to display F1 as an intermittent time control function, the left side of F1 corresponds to the stop time, and the right side corresponds to the start time to realize the cycle. Press the up and down keys (1-99 minutes) to set. For example, if the left side of F1 is set to 10 and the right side is set to 20, it means that the red indicator light is on when the control is stopped for 10 minutes; the green indicator light is on when the control is running for 20 minutes. So cycle.

Countdown time control function

Press the middle setting key, displaying F2 is the countdown time control function: the setting time range is between 0001 and 9999 minutes. Corresponding time on the left: 1~99 settings. Corresponding time on the right: 1~99 settings. The left corresponds to the thousands and hundreds of the timing time, and the right corresponds to the tens and ones of the timing time.

For example, the left digital tube display is set to 06, and the right digital tube display is set to 00, then the timing time is 600 minutes (10 hours). After 10 hours, the temperature controller stops, the green indicator light is off, and the red indicator light is on. charging etc.

Appointment time control function

Press the middle setting key, displaying F3 is the reservation time control function: the setting range is between 0001-9999 minutes. The left and right correspond to the time setting of 1-99. The left side corresponds to thousands and hundreds of times of the timing time, and the right side corresponds to the tens and ones of the timing time. For example, if the left side is set to 00 and the right side is set to 20, it means that after 20 minutes, the green indicator light of the temperature controller will be on, and the temperature controller is in the running state, which is suitable for scheduled start-up.

Product packing list

Name	Quantity
Temperature Time Controller	1PCS
Manual	1PCS
Certificate	1PCS

Parameters of Description

Product Name	Temperature Time Controller	
Product Model	NF-567	
Temperature Sensing probe	NTC10K-100cm	
Power Supply Voltage	160-250V AC 50/60Hz	
Temperature Control Range	-9 99℃	
Max Power	2200W	
Max Current	10A	
Temperature control accuracy	±1℃	
Temperature sensing element	NTC	
Alarm Function	When the actual temperature is higher than 90°C, the traffic light flashing alarm.	
Power off memory function	Yes	
Calibration function	Yes	
Temperature control function	Refrigeration control	Hot start
	Heating Control	Cold start
Time control function	Intermittent time control function	Yes
	Countdown function	Yes
	Function when making an appointment	Yes
Working environment temperature	-10 60℃	
Working relative temperature	20 90%	
Protection Level	IP20	
Appearance size	145X78X40 mm	

Matters needing attention

- Make sure that the host and electrical appliances are installed out of the reach of children.
- When overhauling the electrical appliances, the output socket must be disconnected first, otherwise, the electrical appliances start at any time will cause personal injury.
- Electrical equipment needs to be tested regularly to ensure normal operation, and stop using it immediately before troubleshooting.
- For places involving temperature monitoring of important properties, multiple protection schemes should be adopted.
- Electrical appliances exceeding the load power must use an AC receiver and be installed by a professional electrician.

Documents / Resources

NOYAFA NF-567 Temperature Time Controller [pdf] User Manual
NF-567, NF-567 Temperature Time Controller, Temperature Time Controller, Time Controller, Controller