Morris Temperature Controller DTMR002
Instruction Manual

Overview:

The external temperature detector can detect the temperature.
Set the start and stop temperature.
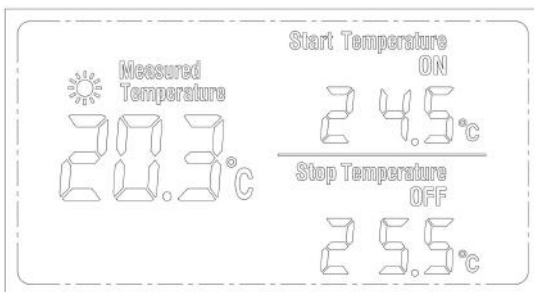Cycle timing, start and stop time, timer switch.
It is widely used in intelligent control, such as carbon heating, aquaculture, greenhouse, home life and other places.

Four buttons + Reset button:

SET, UP, DOWN, FUN, RESET

1. Press SET button: Temperature control mode, Timing mode F01-F04

LCD DISPLAY <1>: Heating mode: Start Temperature ON < Stop Temperature OFF

Measured Temperature lower than Start Temperature ON, the connected device is work ON；
Measured Temperature over than Stop Temperature OFF, the connected device is power OFF.

## LCD DISPLAY <2>: Cooling mode: Start Temperature ON > Stop Temperature OFF
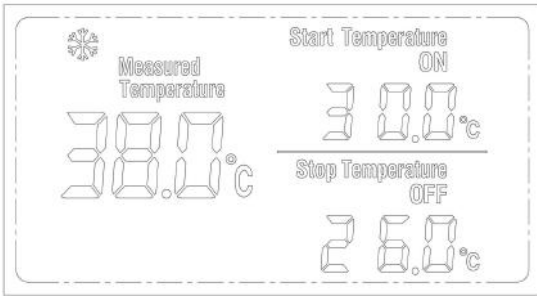
Measured Temperature over than Start Temperature ON, the connected device is work ON；

Measured Temperature lower than Stop Temperature OFF，the connected device is power OFF.


2. TIME MODE

Press the FUN key to display F01, F02, F03, and F04 timing modes.
Press the SET key to enter the setting state, and the corresponding contents are displayed blinking, waiting for the setting; Press the UP or DOWN key to adjust the blinking bit value.
Press the FUN key to save and exit the Settings.
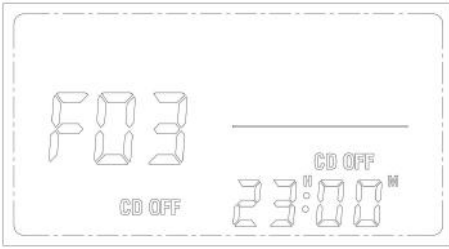
LCD DISPLAY <3>: F01: Cycle switch mode
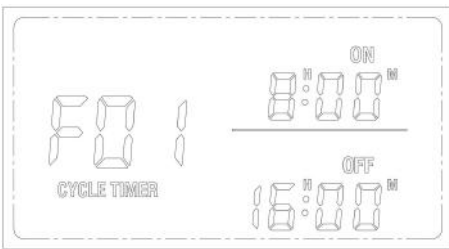
Start time delay ON, stop time delay OFF, and the Cycle timing.

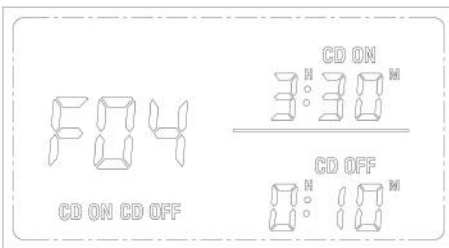## LCD DISPLAY <4>: F02: Delay ON mode
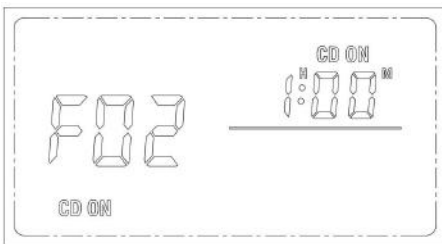
Now time is OFF, delayed (start time) ON.

LCD DISPLAY <5>: F03: Delay OFF mode

Now time is ON, delayed (stop time) OFF, countdown completion, Turn off the output and exit the run.

LCD DISPLAY <6>: CD ON, CD OFF Switch mode

Now time is OFF, delayed (start time) ON, after starting delayed (stop time) OFF, stop the time to finish the countdown, close out the output and exit the operation.

NOTE:

☀ Under temperature control mode or blinking (It is based on the mode of heating.)

❄ Under timing mode: Current running mode "ON/OFF" Blinking, Time symbol ":" blinking, meanwhile, time is running. After the start of the machine, Relay suction when running to ON, socket output indicator light, Relay shutdown at OFF light indicator.
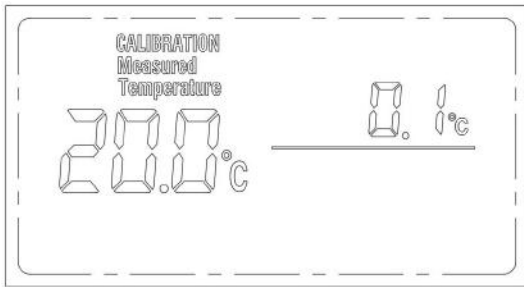
3. Press FUN button:

2.1 Temperature mode: Press the FUN button, set up the start temperature and stop the temperature. The temperature range is -40°C ~120°C.
2.2 Timing mode (F01-F04): Press the FUN button, set up start hours, minutes/ stop hours, minutes, set range of 0~99 hours 59 minutes.
2.3 Running state: Allow temperature/ time adjustment by FUN button.
2.4 Press and hold the FUN button for 2 seconds to start/stop the current timing;

4. Press UP/DOWN button:

3.1 At the time of the numerical scintillation. A numerical adjustment is made according to UP button and DOWN button.
3.2 According to a UP button or DOWN button plus / minus 1, the long time value is automatically added and reduced.
3.3 Under non running state, at the same time, press UP button and DOWN button 2 seconds to restore the factory setting.

5. Temperature correction

Long press the "FUN" button during power on, and the system will automatically enter the temperature correction mode.

4.1 Long press FUN button, real time temperature calibration after 2 seconds. LCD first row display "CALIBRATION" and real time temperature. Correction value of LCD second row scintillation display. Adjust the correction value according to UP and DOWN button (According to the adjusted calibration value, the real time temperature changes accordingly.).
4.2 Real time temperature correction range: - 9.9 °C~9.9 °C.

6. Memory function:

All current settings will be saved after power off.

7. Factory test

Reset the factory setting, press the RESET button, the screen is displayed for one second, restore the factory settings.

SPECIFICATION:

Temperature display range:	- 40 °C~120 °C
Temperature display accuracy:	0.1 °C
Accuracy:	+/- 1%
Timing Accuracy:	MAX 1 minute
Working voltage:	185~250VAC
Maximum working current:	16A
Local power consumption:	<0.8W