Instruction Manuals for Programmable Timer

(Model HT100 and HT200)

Contents

1. Introduction and Features

Notes: This product is for indoor use only.
For your safety and comfort, please read this instruction manual carefully before installing and operating the unit.

This programmable timer is suitable for our products series HT100 (Motorized Curtain Tracks) and HT200 (Motorized Roller Blinds). The main features are:
   a.   IC programmable;
   b.   Easy installation and configuration;
   c.   Able to operate (close/open) up to 20 times per day;
   d.   15 build-in categories;
   e.   Compatible and replaceable with the remote, wall switch or manual control pad.

2. Technical data and Specifications

   a.   Use DC 5V from the transmission box. **NO battery required to run.**
        You may need to put a battery for it to keep your settings when it is disconnected from the motor or your main power for the motor is off. Battery is not provided.

   b.   Buttons' Functions as below (Fig. 1)
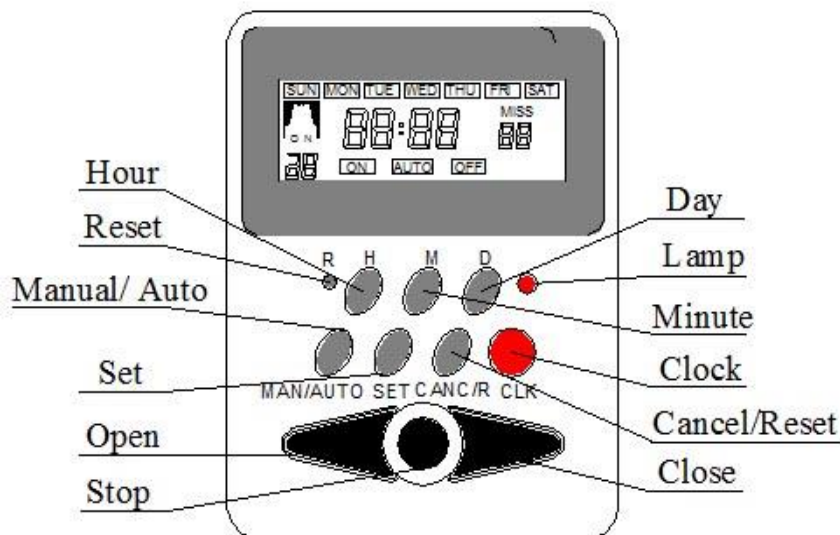

Fig. 1

   c.   LCD Display (Fig. 2)

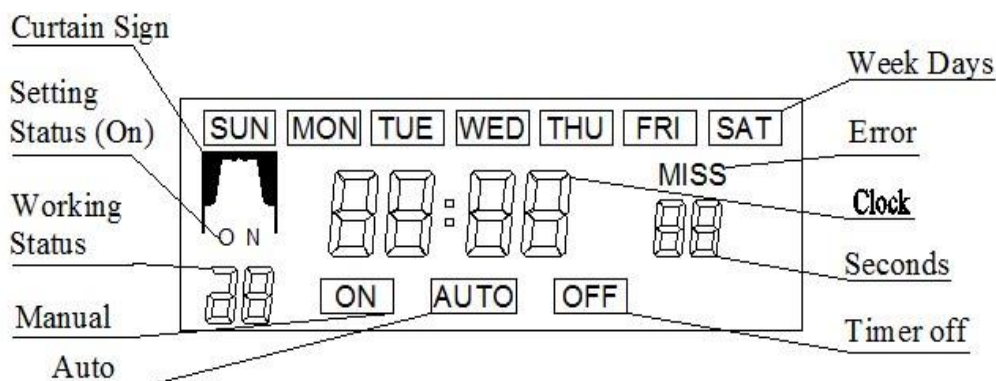
Fig. 2

3. Connection Sockets

Please note the connection sockets are different for Model HT100 and HT200. If you receive the timer with the wrong model, please contact with us for an exchange.

Detail connection sockets are shown below:
a. HT100 (Motorized Curtain Tracks) -- Fig. 3
b. HT200 (Motorized Roller Blinds) -- Fig. 4
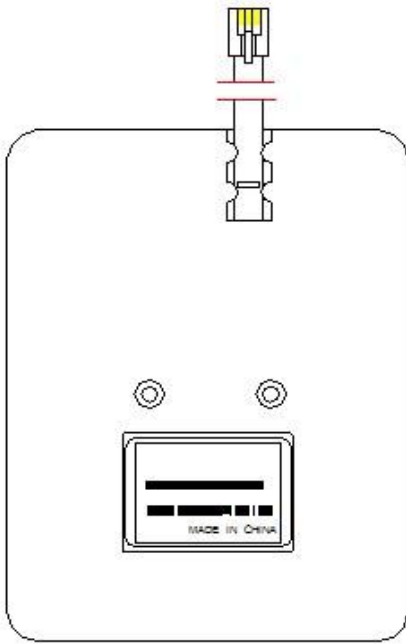
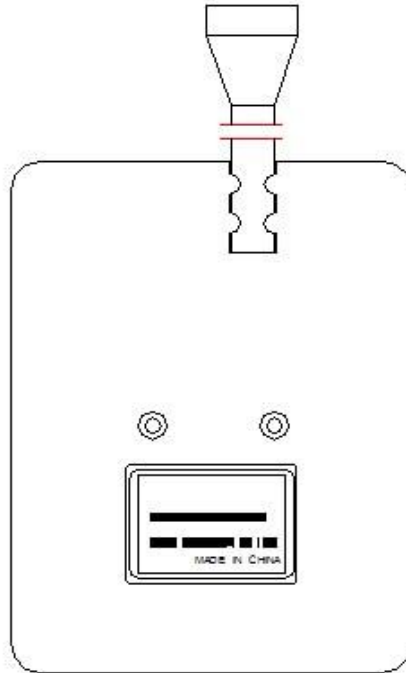Fig. 3 (For HT100)   Fig. 4 (For HT200)

4. Installation

Simply connect the timer to the right socket in the transmission box of HT100 or HT200. The LCD screen should light and the clock will start to count.

a. Suspending under the transmission box
    Put the plug of timer into correspond socket (TIMER) of the transmission box and let the timer suspend along your curtain.

b. Fix on the wall
    Adhere on wall with an adhesive sponge on the back of timer.

c. Hide the cable
    This timer comes with 1.5-meter-long cable, which normally could hide from your curtain. It may also be wired into a tube hidden on/in the wall.

5. Clock Setting

a. Connect the timer to transmission box:
    Put the plug of timer into correspond socket, which is located at the transmission box (TIMER). It will start to clock if the transmission box is powered on. Next you can set the timer when the red lamp is lit and LCD clock shows regular.

b. Set the local time of clock:

Press and hold the CLK (clock) button, then press the button H (hour), M (minute) button or D (day) to set your local time.

c. Save the time:
To save the current day/time, press the CLK (clock) button or leave the timer for 30 seconds without touching any other buttons. This exits the setting mode and the LCD clock will show your current time.

6. Timer Setting

a. Program the timer (refers to the picture Fig. 1 and Fig. 2)
    i. Press the button Set (set) once. LCD shows the setting screen with:
        - Curtain Sign and Setting Status.
        Note: the Setting Status will be always **ON**, which means this setting is effective and working. It does _NOT_ mean the curtain is going to open.
        - Working Status as 1 (open).
        - Clock shows (--:--).
        - Week Days (SUN to MON).

    ii. Press the button H (hour) and M (minute) to set the section 1 (open).

    iii. Press the button D (day) to select the built-in categories of week days. Switch between the categories by pressing the button D (day).

        There are total 15 built-in categories of date setting for selection.

1. Sunday to Saturday (every day);	2. Sunday;
3. Monday;	4. Tuesday;
5. Wednesday;	6. Thursday;
7. Friday;	8. Saturday;
9. Monday, Wednesday, Friday;	10. Tuesday, Thursday, Saturday;
11. Sunday, Saturday;	12. Monday, Tuesday, Wednesday;
13. Thursday, Friday, Saturday;	15. Monday to Saturday;

        Examples:
        If selecting the category 1, the curtain will open from Sunday to Saturday at same time;
        If selecting the category 3, the curtain will open on Monday only;
        If selecting the category 10, the curtain will open on Tuesday, Thursday and Saturday.

    iv. Press the button Set (set) button once again to switch to section 2). Follow the step ii and iii to set the section 2 (close).
        Note: the Setting Status will still be ON, meaning this section is active.

    v. Repeat the above steps ii, iii, iv until you finish all the sections you required.

        Note (Important):
        Working status sequence will **always** be: 1 (Open), 2 (Close), 3 (Open), 4 (Close), 5 (Open), 6 (Close)…19 (Open), 20 (Close).

        Though the sections was set to improper sequence, e.g. 1 (Open), 2 (Close), 3 (CLOSE), 4 (OPEN), it will be corrected automatically to 1 (Open), 2(Close), 3 (Open), 4 (Close) … 20 (Close)

b. Cancel/Reset the sections:
Within the setting mode, press the button CANC/R (Cancel/Reset) to recover to (--:--) if necessary. You could then reset the time or leave it as inactive.

A second CANC/R will also recover your previous setting.

Please note that the timer should be set to (--:--) if there is no setting for the section. It is wrong if the timer was set to (00:00) for non-use sections.

c. Revise or check the settings:
Within the setting mode, timer can be set or adjusted with working time according to your requirement. Press the H (hour) button, M (minute) button or D (day) button to set the hour, the minute and the week day.

You could also check the settings by press the button Set (set) one by one from first section till the 20th section.

d. Working time can be set up to 20 sections (from 1st to 20th). But you may not require them all. Simply leave them as spare by setting the section time as (--:--).

e. Self-protection period (H 10).
There is a self-protection period when the timer is operating the transmission box. **Please note it was set to 10 seconds on delivery.**

After the setting of 20th section, LCD will display (H 10), which means 10 seconds as the protective time of the timer and you should NOT press any button to set the timer during the motor is running within that 10 seconds period. Otherwise, it may cause the timer dysfunction and need resetting by following (f) below.

The minimum protection period can be changed from 1 to 99 seconds. Please press the button M (minute) to adjust the time if required. We suggest keeping the default setting unchanged.

f. Reset the timer to factory defaults.
If the timer shows error code either during setting or working, please use a small ball pin to press the button R (reset). The timer will then reset to the factory defaults.

You may need to follow the previous steps to configure the timer again.

Note: Disconnecting the timer from transmission box will also lose your settings unless you put a battery in the back of the timer.

7. Control Mode: ON / AUTO / OFF

a. Model: AUTO
AUTO is the default mode for the timer to work. It will take the schedule to operate the curtains automatically.

b. Mode: ON
ON is the mode to lock the curtains from other control methods. At this mode, the timer will exclusively control the curtain operations depending on the settings.

Note: the remote and manual pad will not work when timer is at mode ON.

c. Mode: OFF
At OFF mode, the timer is turned off.

d. Manual Control
   i.   Press the ◄ (open) button, ►(close) button or ● (stop) button to operate the curtain at OFF or AUTO mode.
   ii. At ON mode, it could also manually operate the curtain by pressing the button MAN/AUTO. The curtain will be controlled when LCD shows "ON". By pressing MAN/AUTO button and switching the mode, the curtain will be opened (or closed) when LCD shows "ON" at first time; and then be closed (or opened) when LCD shows "ON" at second time.

e. Remote Control

With the mode at OFF or AUTO, the remote from HT100 or HT200 could also work; while the remote will stop working if timer is at ON mode.

f. Disable the timer
    You should set the timer at OFF mode or disconnect from the transmission box to disable the timer.

8. FAQ and Troubleshooting

a. Q: Can this timer work with other models other than HT100 and HT200?
    A: This timer is suitable for our models HT100 and HT200, but may not compatible with other motorized curtain system.

b. Q: Why my timer could not fit into the socket in my transmission box?
    A: The timer may not be the right one for your model. Please contact with us for an exchange.

c. Q: Why does the timer still operate the curtain at midnight?
    A: Please check your timer setting. Section with (00:00) does not disable the timer. The section will not work only if you set it to (--:--) or set the timer at model OFF.

d. Q: What to do if the timer shown ERROR code either on setting or working, or the LCD is dysfunctional?
    A: Please use a small ball pin to press the button R (reset), and the timer will reset to the factory defaults. You then follow the setting procedures to configure it.

e. Q: What to do if there are other problems?
    A: Please contact with us for any other faults. Do not repair at your own unless you are authorize or aware the consequence. Only authorized service person can inspect and repair the products.

9. Warranty

The system is fully guaranteed against any defects in materials and workmanship for a period of 12 (twelve) months beginning on the date of purchase.

Any damage or defect to component part or parts caused directly by material or workmanship and normal wear and tear of the product will be repaired at our discretion FREE OF CHARGE.

Each unit is fully tested and inspected to our quality standard before delivery. In the event of a warranty claim, please first contact your dealer or distributor.

Consumer shall have no coverage or benefit under the warranty for defects or damages due to improper installation, misuse of the products, unauthorized modifications or repairs carried out or made to the timer, or the transmission box which the timer connected to.

10. Disclaimer

This document is copyright of HC CHINA LIMITED. We reserve the right to make changes or modifications to the product specification without prior notice. Please check our website http://www.exp-china.com for latest version.