



USER MANUAL

Smart Programmable Timer

 ITimer 3.0

GL7037



Specific Parameters

Smart Programmable Timer

1. Technical Features

AC Input	100-264Vac 50/60Hz Single Phase
Optimal Brightness level	0-100%
Dimensions	250*175*75mm
Weight	1kg
Permitted ambient temperature	-20 C ~50 C
Storage temperature	-30 C ~80 C
Waterproof grade	IP65
External Control	0-10V Signal
Conformity with standard	EN 60669-2-1
Warranty	5 years

*Check the technical specification of lamps

2. Safety Instructions



CAUTION!!!DANGER OF LIFE / RISK OF FIRE AND ELECTRIC SHOCK!!

- Installation and assembly of electrical equipment must be carried out only by professional electrician!
- Connect the supply voltage/frequency as stated on the product!
- Disconnect device from power supply for wiring and installation purposes!
- Check power supply is disconnected!
- Defective devices have to be put out of service immediately!

- ◆ Warranty void if housing opened by unauthorised person!
- ◆ The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits!
- ◆ Installation and assembly of electrical equipment must be in accordance with local building and electrical codes!

Important Note

For all transformers and lamps, please take into account the specifications of the manufacturer!

3. Timer 3.0 Description

Programmable Timer 3.0 with manual dimmers can control all lights inside a poultry house. The timer has unique features such as stable operation in low brightness levels and high flexibility.

Main features:

- One timer can control many dimers and drivers without limited
- Manual brightness control
- Automatic settings recovery after power failure
- Automatic settings save for each mode

NOTE: *The settings are immediately saved after being defined

Specific Parameters

Smart Programmable Timer

4. User Interface



No	Name	Description
1	LCD	Display information of this timer
2	OK	Power OK, timer working properly
3	Alarm	Timer failure alarm
4	Back	Return to the previous step
5	Arrow keys	To next step or select an option
6	Rotary Switch (Enter)	Changing the light brightness and press the switch for Enter function
7	Manual Control	Pressing this button to manual control the brightness by Rotary Switch
8	Auto Control	Pressing this button to Auto control and set up user lighting programme
9	External Control	Pressing this button to external 0-10V signal control
10	Power Switch	Power ON/OFF
11	AC Input Terminal	Connecting L (Live wire), N (Neutral Wire) and GND (Ground Wire)
12	External Control (0-10V Port)	0-10V signal input for external control
13	RS-485 Port	Connecting to Internet of Things for APP remote control (Optional)
14	0-10V Port	0-10V signal output for control dimmer and 0-10V dimmable driver

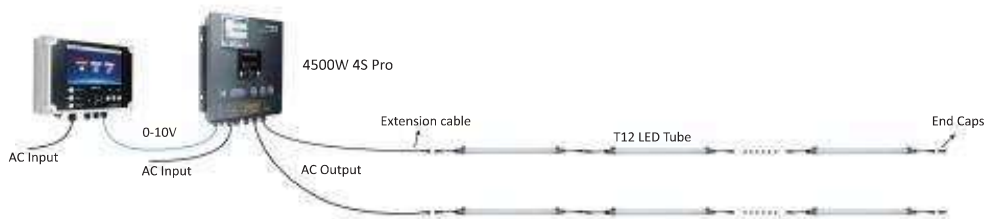
Lighting Diagram

Smart Programmable Timer

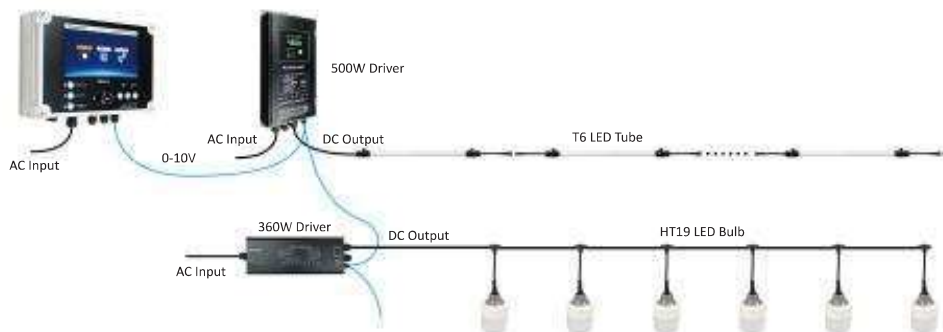
5. Timer Wiring Diagram



Programmable Timer 3.0 and AC 4500W/3000W/1500W Dimmer and LED Poultry Light



Programmable Timer 3.0 and DC 500W/360W Driver and LED Poultry Light



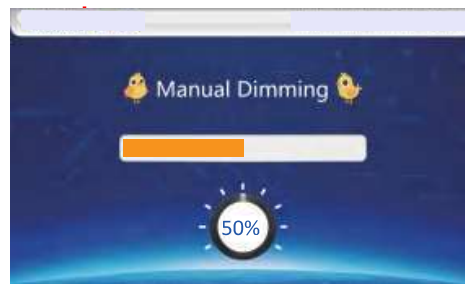
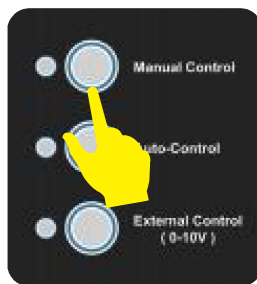
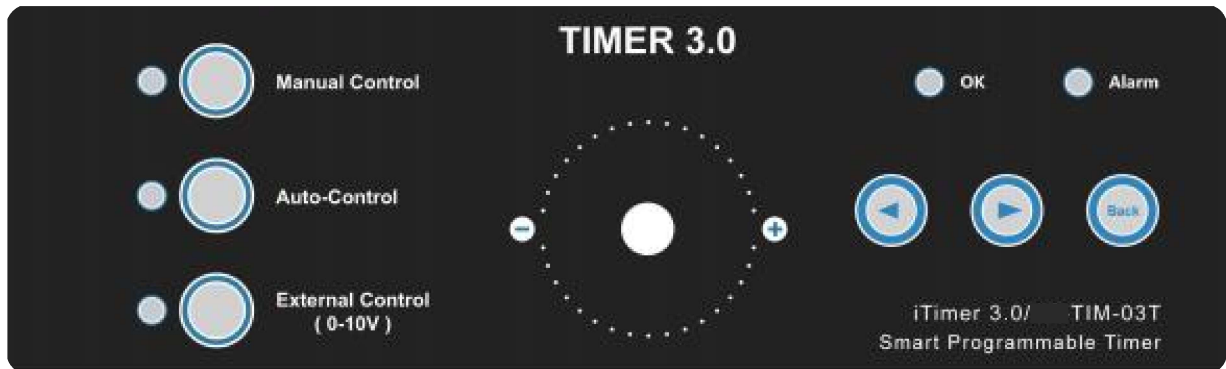
Installation Notes

- * It is recommended the LED timer should be installed exposed for heat dissipation
- * If it needs to be installed in a closed distribution box, please install a ventilation system for heat dissipation.
- * It is not recommended to install the distribution box outdoors, to avoid direct sunlight. If it is necessary to install it outdoors, please build a canopy or a well aerated box.
- * The ambient temperature of the timer is recommended to be no more than 40 degrees.

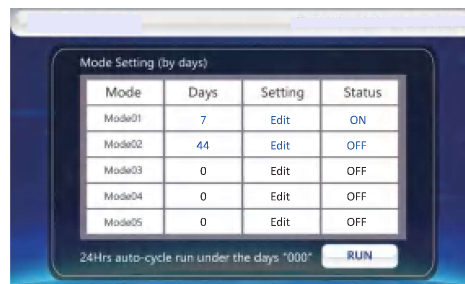
Using Method

Smart Programmable Timer

9. Instruction



Pressing "Manual Control" enter the timer into "Manual Dimming" mode. Green indicator ON LCD indicates lighting brightness. Manual Control is used to override the Auto-Control settings. In manual mode the user changes the light brightness by turning the Rotary Switch.



Pressing "Auto-control" enter the timer into lighting programme setting. Green indicator ON.

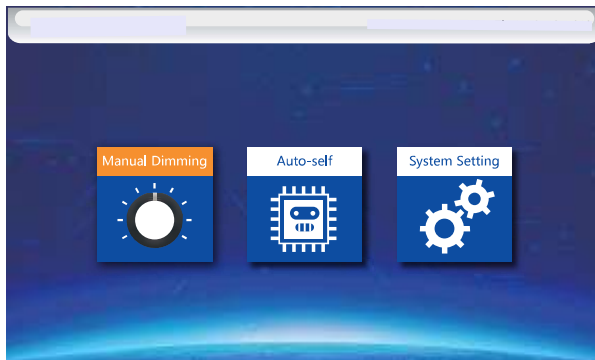


Pressing the "External Control" button enables connecting 0-10V signal for external control. Green indicator ON.

Using Method

Smart Programmable Timer

Main Interface



Manual Dimming

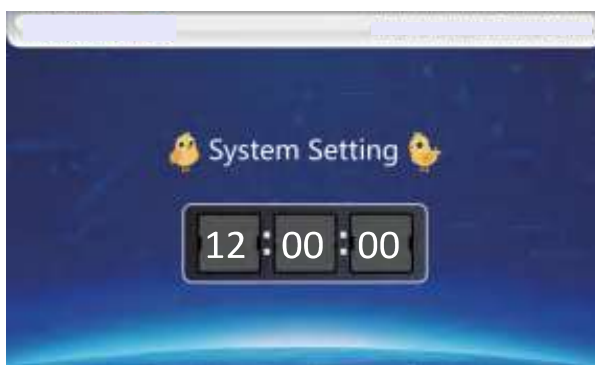




Auto-Self Setting

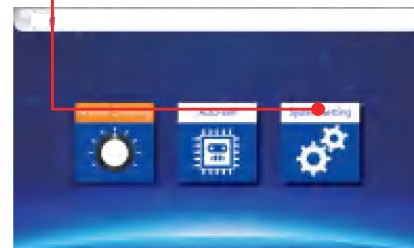


System Setting

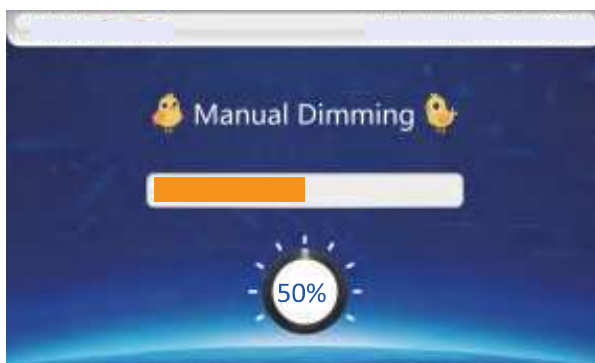
System Setting



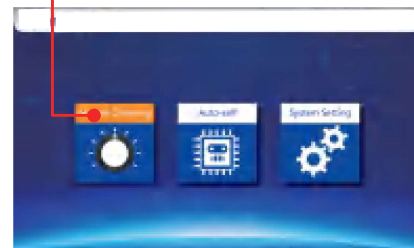
System Setting: Press this button to the local time setting. Using the Arrow keys   and Rotary Switch to set the time in hh/mm/ss.



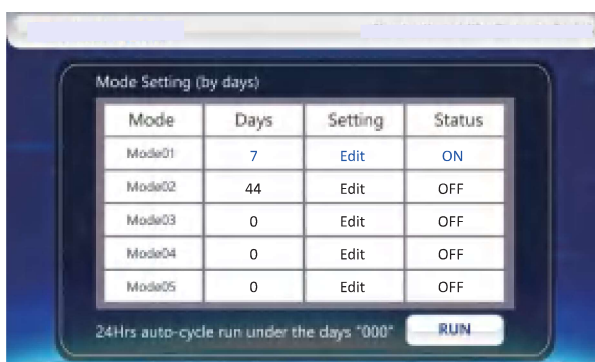
Manual Dimming



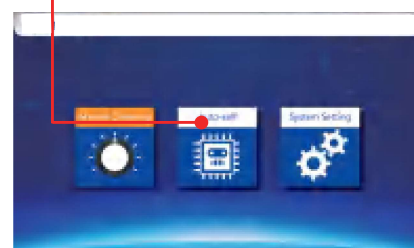
Manual Dimming: Press this button to manual mode. In manual mode the users can set the light brightness percentage by turning the Rotary Switch.



Auto-Self Setting



Auto-self Setting: Press this button to user programme setting.

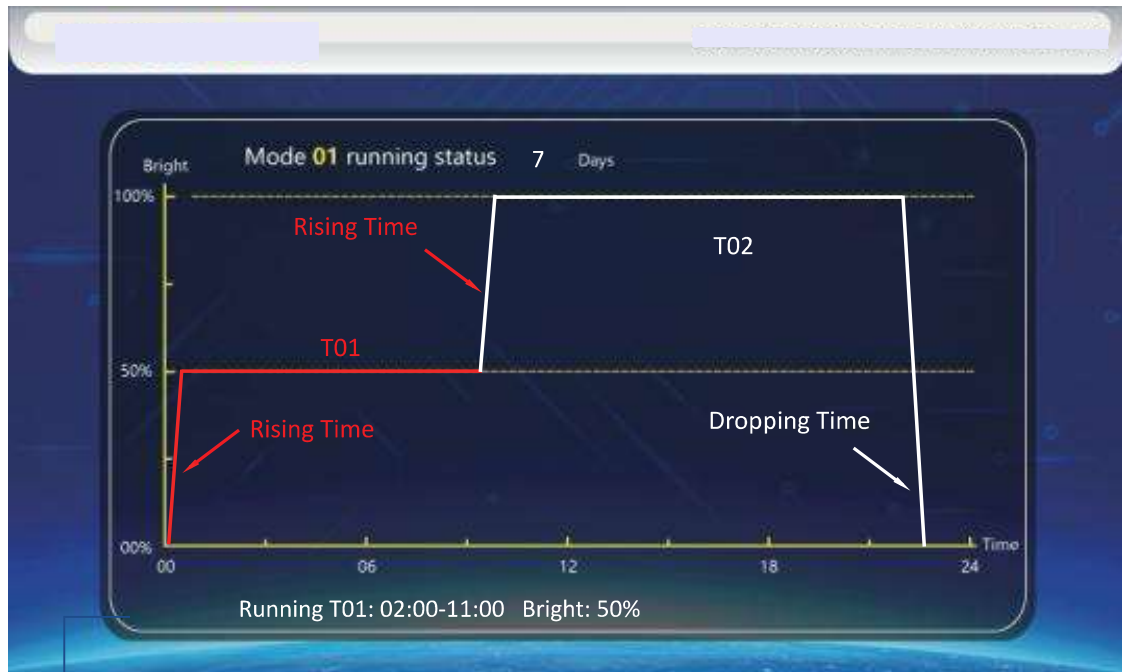


Using Method

Smart Programmable Timer

Example for Auto-Self Setting:

The following lighting program is for broilers, users can set it's own programme as the following operation.



Current Working Status

M01 7 Days
T01: 02:00-11:00 50%
T02: 11:00-23:00 100%



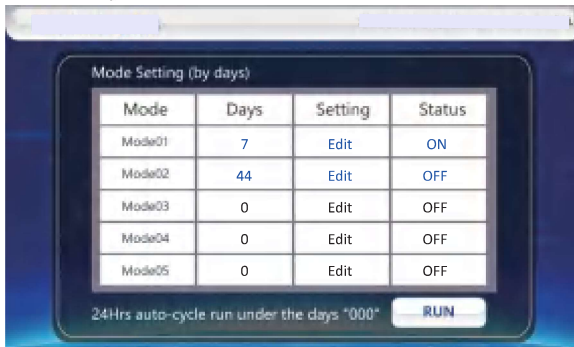
Current Working Status

M02 44 Days
T01: 07:00-11:00 65%
T02: 11:00-23:00 10%

Using Method

Smart Programmable Timer

Step 1 Mode Setting under M01



- 🐔 Setting the local time in System Setting
- 🐔 Pressing Arrow keys ⬅️ ➡️ to select the operation objects.

- ① Setting the Days by rolling the Rotary Switch. (The range of the Days is from 0 to 999 days).
- ② Select "Edit" and press Enter to the Rising and Dropping time setting.

Notice:

- The programme will be Auto-cycle running only the Days in "0" and Status "ON"
- The Lighting programme shall be set from 00:00-23:59

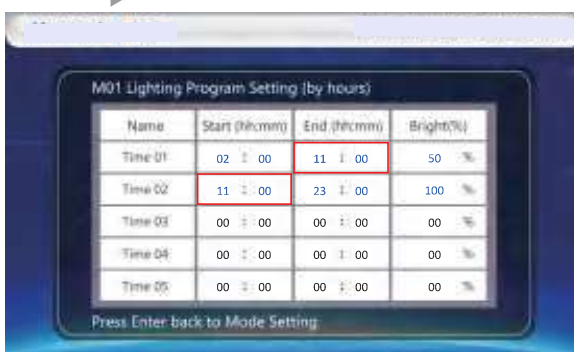
Step 2 Rising & Dropping Time Setting



- ③ Setting the Rising & Dropping Time by turning the Rotary Switch.
- ④ Pressing Enter to M01 Setting.

Notice: Default Rising and Dropping Time is 15mins, according to Standard of Chicken farm lighting in RSPCA.

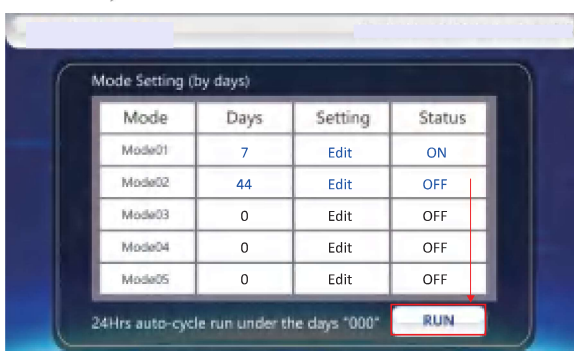
Step 3 M01 Lighting Programme



- ⑤ Setting the Start, End and Bright by turning the Rotary Switch.
- ⑥ Pressing Enter back to Mode Setting.

Notice: The start time cannot be earlier than the last end time

Step 4 M01 Running



- ⑦ Setting "ON" "OFF" by rolling the Rotary Switch.
- ⑧ Pressing Enter or Run to start the Model Lighting programme.

Notice:

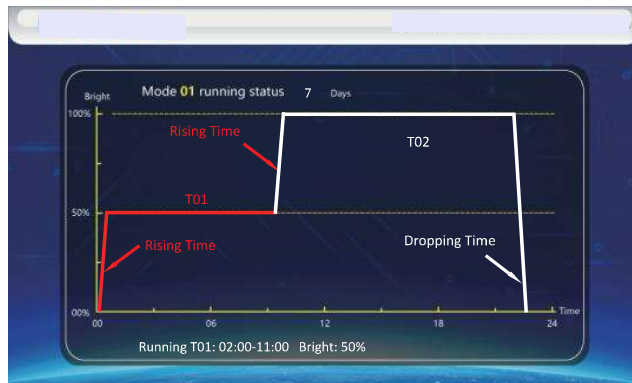
- Only the "status" ON, the Mode Lighting Programme will be run.
- The M01 programme will move to M02 under the M01 Days ≥ 1 and the Status "ON".
- The programme M01 to M05 will be continuously run under all the Status "ON".

Using Method

Smart Programmable Timer

Step 5

Lighting Programme Curve

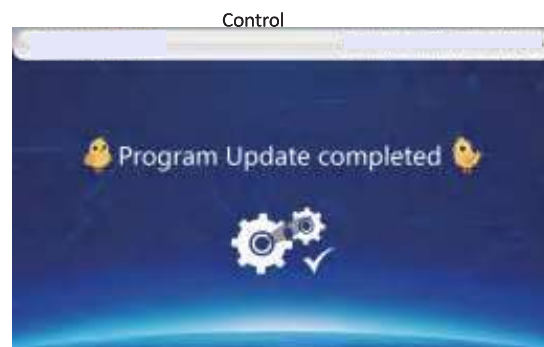
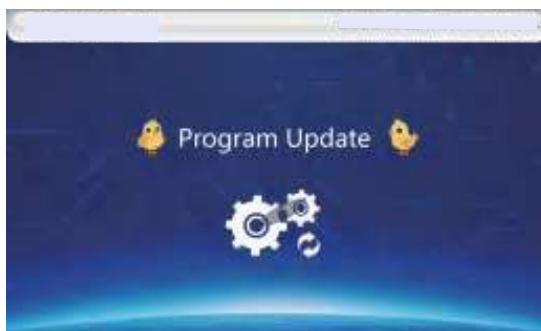


⑨ The lighting programme will run according to the M01 setting.

Notice: The timer will move to Manual Dimming after all Modes Programme finished, the default brightness is 30%.

Above steps are the same for setting M02-M05

10. Programme Updating



Programme Updating by USB (More information, please contact us)

Accessories

USB cable 1 pcs

Screw 4pcs

- Please follow this installation guide very carefully and pay attention to the instructions given. If there are any problems, please contact us at the following address.



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