LOHUIS

That's all-light

USER MANUAL

Intelligent Chicken Farm System

iDimmer 4L
hontech-wins

4500W | **DIY Lighting Program**
24 Hours/ Days Lighting Program Control

Specific Parameters

Intelligent Chicken Farm System

| No	Name	Description
1	Main Switch/C32	Emmergency Switch 32A (C type)
2	CH1 Switch/B10	Channel 1 Breaker 10A (B type)
3	LCD	Display of information on the screen
4	CH2 Switch/B10	Channel 2 Breaker 10A (B type)
5	CH3 Switch/B10	Channel 3 Breaker 10A (B type)
6	UP	Selecting the operation objects
7	Enter	To next step or determining the operation objects
8	Down	Selecting the operation objects
9	Brightness Indicator	Displaying the current light brightness
10	Rotary Switch	Changing the light brightness and other parameters
11	CH1-3 Output Terminal	Connecting the lights
12	AC Input Terminal	Connecting L (Live Wire) and N (Neutral Wire)
13	0-10V signal connector	Connecting external 0-10V signal (Positive Type)
14	Auto-line (External Control)	Controlled by external 0-10V signal
15	Auto-self (User Program)	Setting users lighting program by itself
16	Manual Dimming	Dimming the brightness by Rotary Switch
17	Back	Moving to previous step
18	IP54 Box	Covering all the switches, IP54 Grade

Specific Parameters

System Description:

AWG	mm²	Rated Amp	Max. Amp	Suggested Power
18AWG	2x0.75mm²	3.2A	3.7A	640W
16AWG	2x1.00mm²	5.2A	5.9A	1040W
14AWG	2x1.50mm²	8.2A	9.4A	1640W

- Three independent channels
- Manual brightness control
- Programmable brightness control by Auto-Self Setting
- Support system updating
- Support External Device Control
- Maximum output power for each channel: 1500W Rated
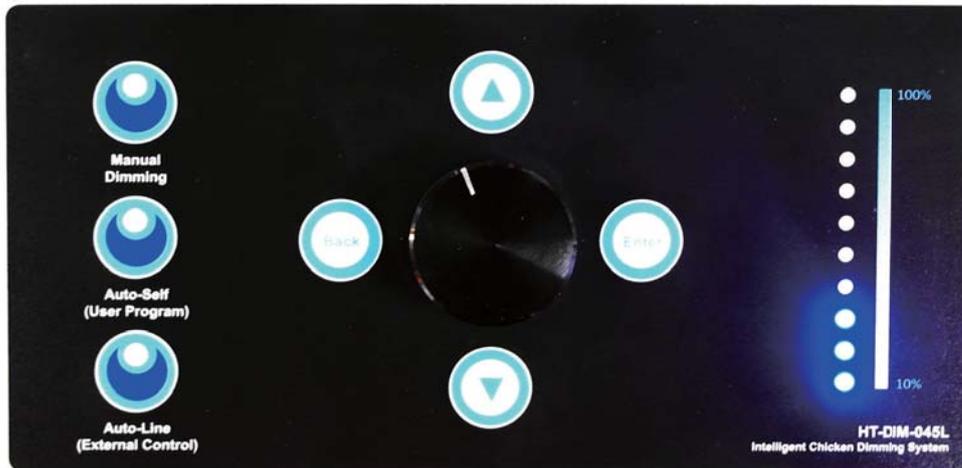
Lighting Connection:
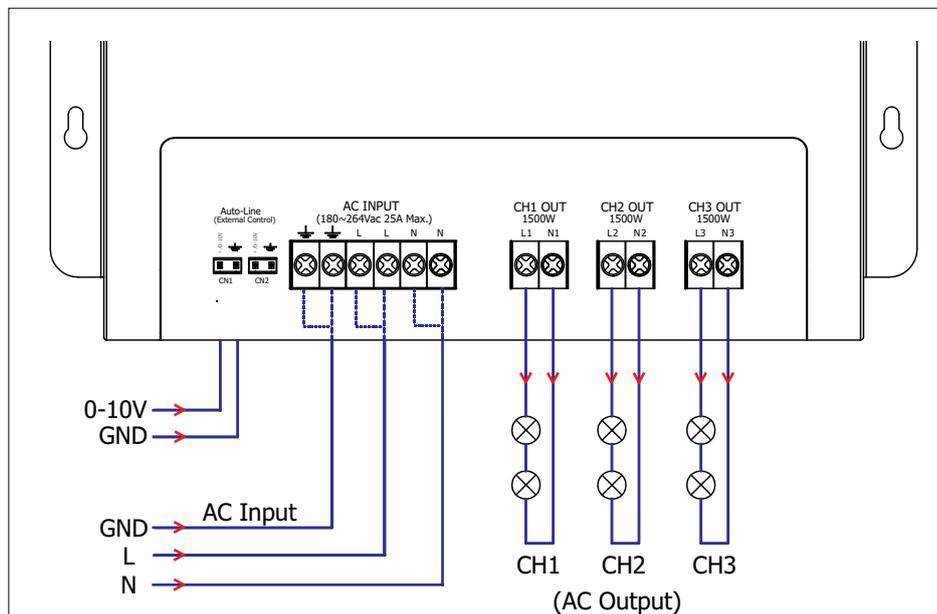
🐔 Notice:

1. L and N shall be connected to reduce the Inrush voltage which could decrease the risk of dimmer damage.

2. The LCD would be standby with no operation in 30s, and LCD be off with no operation in 1 minute.

3. Switch Box is with IP54 Grade. It should be closed to prevent the dust or moist to go inside.

Using Method

Press Manual Dimming, the red indicator will be ON, moving to Manual dimming.

Mode Setting (by days)			
Mode	Days	Setting	Status
M01	7	Edit	ON
M02	44	Edit	OFF
M03	0	Edit	OFF
M04	0	Edit	OFF
M05	0	Edit	OFF
24Hs Auto-cycle run under the Days "0"			Run

Press Auto-Self, the red indicator will be ON, moving to Mode Setting.

External 0-10V signal being operated under the Auto-Line Mode

Press Auto-Line, the red indicator will be ON, moving to External 0-10V signal control.

Manual Dimming

35%

The blue indicator will be ON when the light brightness up to 10%. It will change as the brightness change.

Using Method

Main Interface

 Manual Dimming
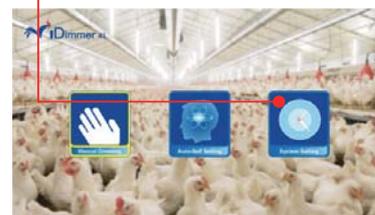
 Auto-Self Setting

 System Setting

System Setting

System Setting

00 : 00 : 00

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

Manual Dimming

Manual Dimming

50%

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

Auto-Self Setting

Mode Setting (by days)

Mode	Days	Setting	Status
M01	7	Edit	ON
M02	0	Edit	OFF
M03	0	Edit	OFF
M04	0	Edit	OFF
M05	0	Edit	OFF
24Hs Auto-cycle run under the Days "0"			Run

 Auto-self Setting: Press this button to user program setting.
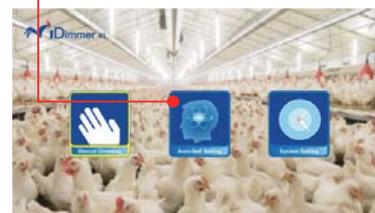
Using Method

Example for Auto-Self Setting:

The following lighting program is for broilers, users can set it's own programs as the following operation.
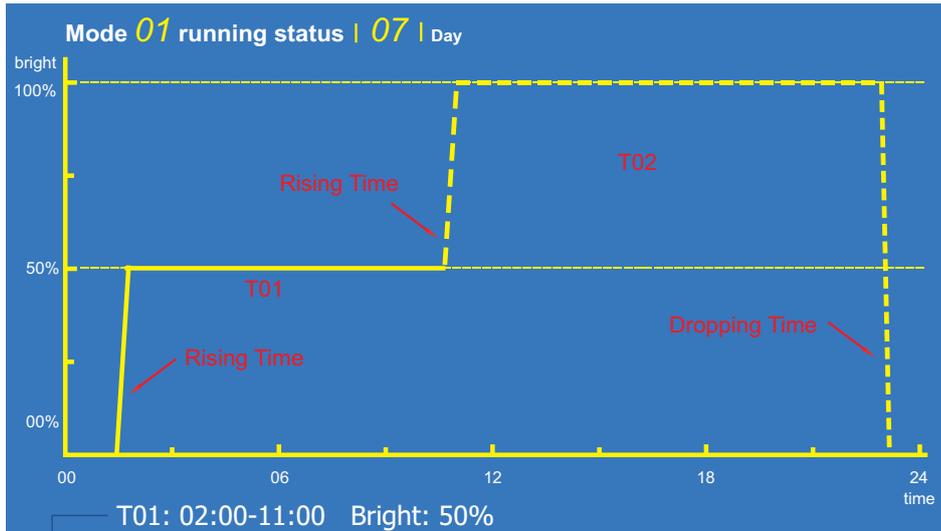
Mode *01* running status | *07* | Day

bright
100%

Rising Time

T02

50%

T01

Dropping Time

Rising Time

00%

| 00 | 06 | 12 | 18 | 24 |
time

T01: 02:00-11:00 Bright: 50%

Current Working Status

M01   7 Days   ▲

T01: 02:00-11:00   50%
T02: 11:00-23:00   100%

Mode *02* running status | *44* | Day

bright
100%

T01

50%

Dropping Time

Rising Time

Dropping Time

T02

00%

| 00 | 06 | 12 | 18 | 24 |
time

T02: 11:00-23:00 Bright: 10%
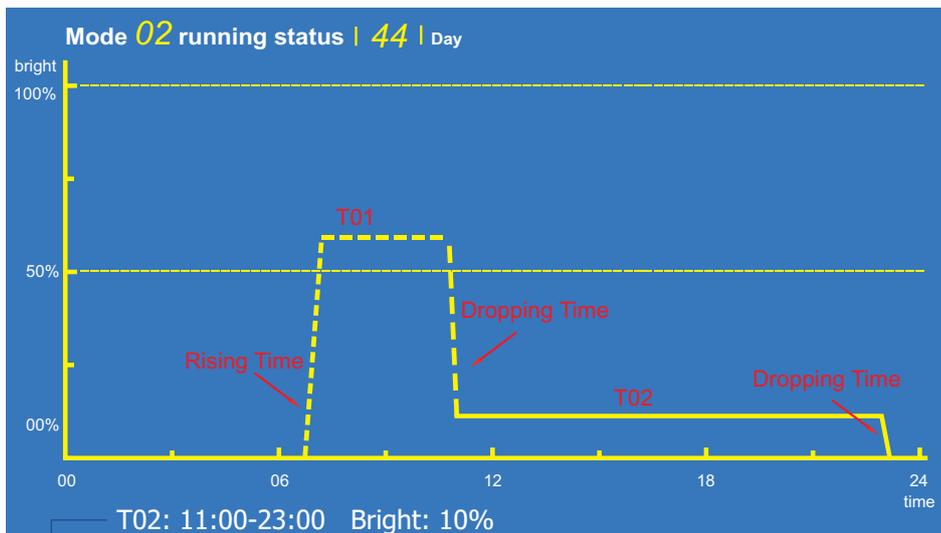
Current Working Status

M02   44 Days   ▲

T01: 07:00-11:00   65%
T02: 11:00-23:00   10%

Using Method

Step 1 — Mode Setting under M01

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Mode Setting (by days)

Mode	Days	Setting	Status
M01	7	Edit	ON
M02	44	Edit	OFF
M03	0	Edit	OFF
M04	0	Edit	OFF
M05	0	Edit	OFF

24Hs Auto-cycle run under the Days "0"   **Run**

- Setting the local time in System Setting
- Pressing UP or Down to select the operation objects.

① Setting the Days by rolling the Rotary Switch. (The range of the Days is from 0 to 120 days).

② Select "Edit" and press Enter to the Rising and Dropping time setting.

Notice: The program will be Auto-cycle run only the Days in "0" and Status "ON"

Step 2 — Rising & Dropping Time Setting

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Mode 01
Rising & Dropping Time Setting

Rising Time **15** Min   Dropping Time **15** Min

③ Setting the Rising & Dropping Time by rolling 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 Program

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M01 Lighting Program Setting (by hours)

Name	Start (hh:mm)		End (hh:mm)		Bright
Time 01	02 :	00	11 :	00	50 %
Time 02	11 :	00	23 :	00	100%
Time 03	00 :	00	00 :	00	00 %
Time 04	00 :	00	00 :	00	00 %
Time 05	00 :	00	00 :	00	00 %

Press Enter back to Mode Setting

⑤ Setting the Start, End and Bright by rolling the Rotary Switch.

⑥ Pressing Enter back to Mode Setting.

Notice: Each End Time shall be the same as the next Start Time.

Step 4 — M01 Running

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Mode Setting (by days)

Mode	Days	Setting	Status
M01	7	Edit	ON
M02	44	Edit	ON
M03	0	Edit	ON
M04	0	Edit	ON
M05	0	Edit	ON

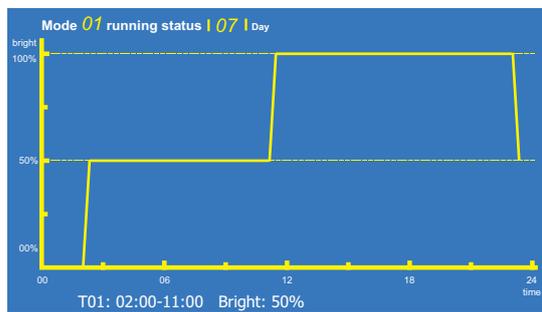24Hs Auto-cycle run under the Days "00"   **Run**

⑦ Setting "ON" "OFF" by rolling the Rotary Switch.

⑧ Pressing Enter or Run to start the Model Lighting program.

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

Step 5 — Lighting Program Curve

Mode 01 running status | 07 | Day

bright
100%

50%

00%

00   06   12   18   24
time

T01: 02:00-11:00   Bright: 50%

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

Notice: The dimmer will Auto-cycle run after all Modes Program finished, the default brightness is 50%.

Above steps are the same for setting M02-M05

Program Updating

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Program Updating...

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Program Updating Completed

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

Get Help

Help 1

If there is any problem on installing, Pls strictly install follow this installation and pay attention to the notice.

Help 2

Contact us, Pls email to anton.lohuis@lohuislighting.nl, you can get the reply within 24 hours.

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