

# USER MANUAL

## Poultry House Intelligent Dimming System



**CHOICELED-2000W/4000W/3L/6L**

Triac /0-10V Dimming

DIY Lighting Program

24Hrs/Days Auto-programmatic Operation

# Specific Parameters



Poultry House Intelligent Dimming System

	L1	L2
Current Brightness:	50%	50%
Current Day in Flock:	0	0
Total Day in Flock:	15	15
Working mode:		
Timing Table:	12/1/2017	12/1/2017
Starting time:	Month <input type="text"/> Day <input type="text"/> Year <input type="text"/>	Month <input type="text"/> Day <input type="text"/> Year <input type="text"/>

Main Interface



**Notice:**

Each time you click “ Brightness Option” and “ Settings”, you have to enter the password.

**Original Password: No. “0”**

**L1**

Turn on

Turn off

Turn up

Turn down

**L2**

Turn on

Turn off

Turn up

Turn down

Manual Dimming Control

07:35 Monday 12/1/2017

Time | Time Table | 1% Min. Adjust | Options | Password | Back

Current Time 11/6/2017 16:47:22

Adjust Time  /  / 20

:  :

Adjust

System Setting

Month  Day  Year  Start L1+L2-Table:

	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes
1	1	7	1	45	50	15
2	1	7	10	45	100	15
3	1	7	23	0	0	15
4	8	52	6	45	65	15
5	8	52	10	45	10	15
6	8	52	23	0	0	15
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0

Save Clear Page 1/10 Exit

Auto-Programming Setting

# Specific Parameters



Poultry House Intelligent Dimming System



## SYSTEM PARAMETER

Model No.	Input Voltage	Output (Voltage)	Frequency	Output Current	Power
AMB-IDS-2000	AC85-277V	AC85-277V	50/60Hz	1*10A	2200W/1100W
AMB-IDS-4000	AC85-277V	AC85-277V	50/60Hz	2*10A	4400W/2200W
AMB-IDS-3L	AC85-277V	DC0-10V+AC85-277V	50/60Hz	N/A	N/A
AMB-IDS-6L	AC85-277V	DC0-10V+AC85-277V	50/60Hz	N/A	N/A

## FEATURES

- Support DIY programming.
- Auto-programmable operation setting modes in 24 hour cycles.
- Built-in digital CPU with smart control performance .
- Leading edge & trailing edge dimmable.
- Triac or 0-10V Dimming Optional
- 0%-100% dimmable,dimming precision 1% simulate sunrise-sunset.
- Input terminal 10cm cable with male connector + 100cm cable with female connector to power.
- 1x10A / 2x10A output terminals 10cm cable+female connector.
- 7 inches LCD clearly displays current status.
- IP66 rating,IK08 anti-collision grade.

## ACCESSORIES



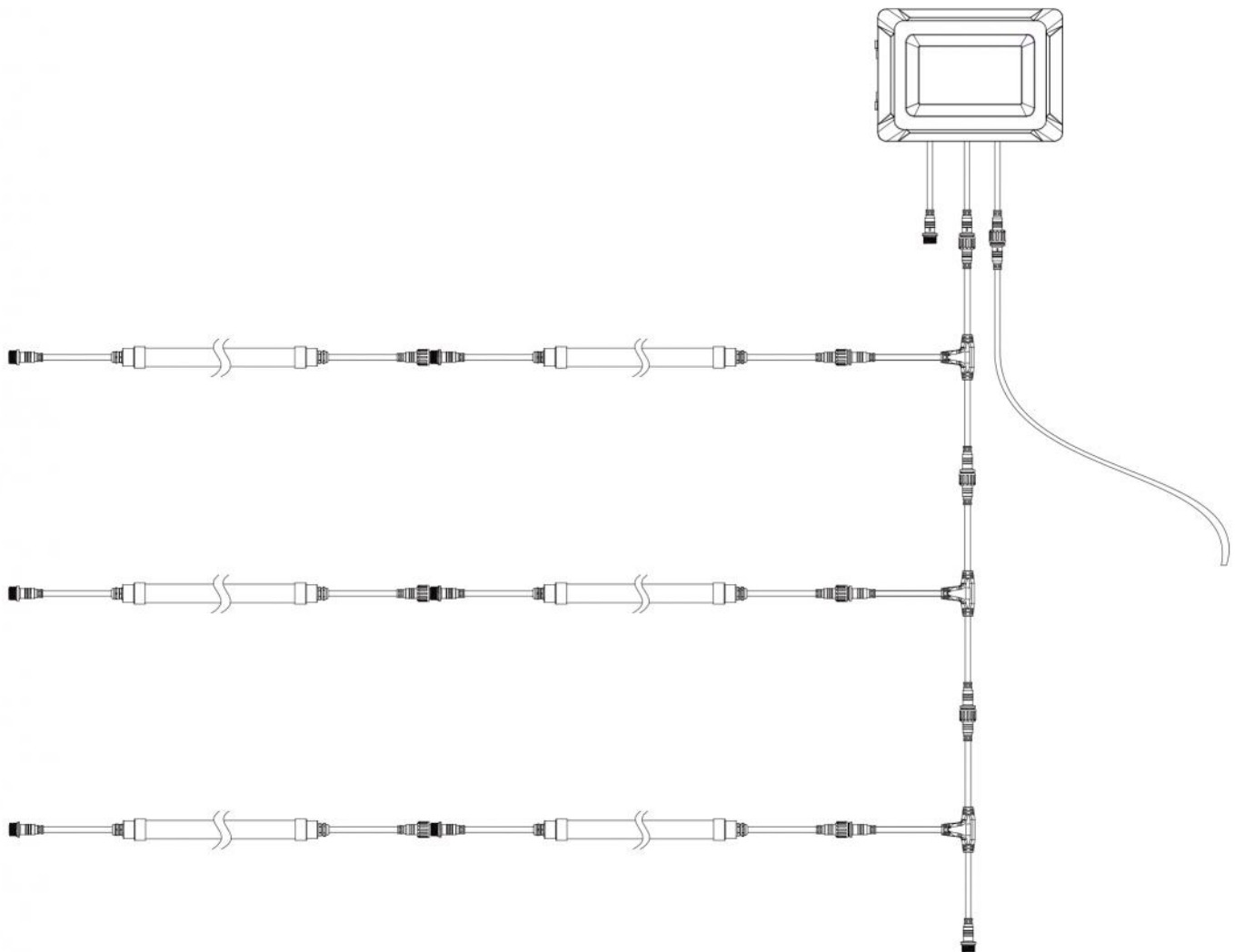
100cm extension cable  
(single-end female connector) 1PCS



Expansion srews 6\*30 4PCS ,tapping screws PA5\*75 4PCS



## IDS LED Poultry Light Connection (Triac)





## Manual Dimming Control



**Switching Mode:** On/Off

**Dimming Mode:** Up/Down, Dimming from 0%-100% / 100%-0%, Lowest Brightness 1%



## Password Setting

07:35 Monday 12/1/2017

Time Time Table 1% Min. Adjust Options Password Back

Original Passcode:

New Passcode:

Confirm Passcode:

Confirm Cancel

**Original Password:** No. "0"

**Change Password:** Click "  Settings " on main interface, select "  Password " to change.

## Time Setting

07:35 Monday 12/1/2017

Time Time Table 1% Min. Adjust Options Password Back

Current Time 11/6/2017 16 : 47 : 22

Adjust Time  /  / 20   
 :  :

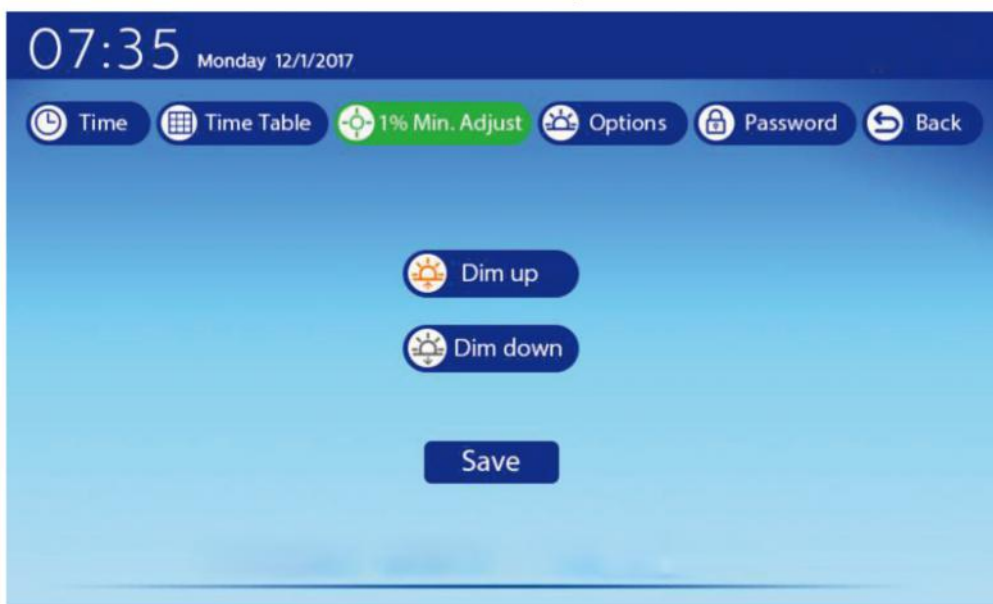
Adjust




Click "  Settings " on main interface, select "  Time " to set your local time.

# Manual Control & Auto Setting

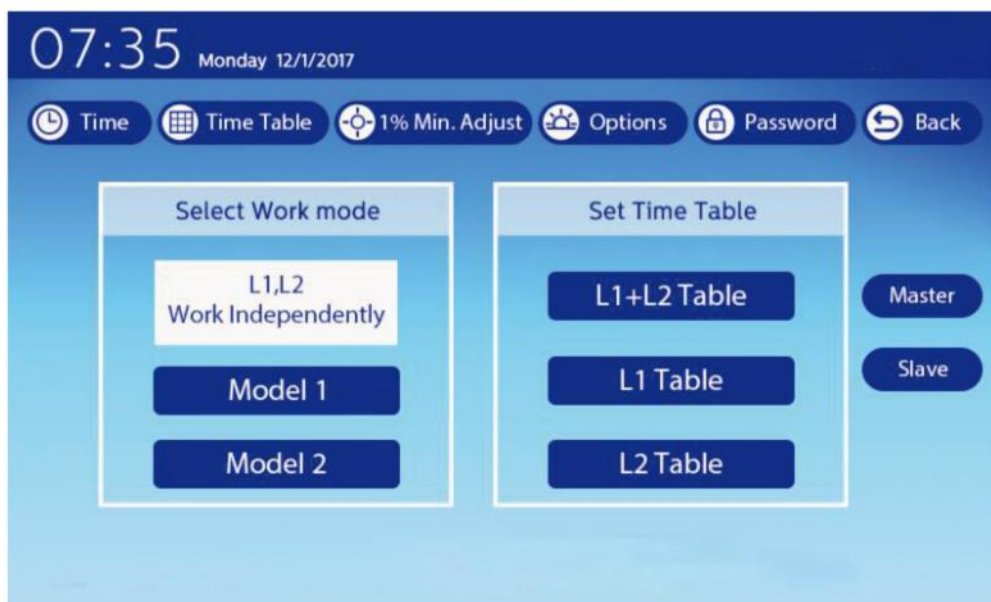
Poultry House Intelligent Dimming System

## 1% Min. Adjust







When you enter this interface, the light level will automatically turn to be 1%. By clicking “ Dim up” or “ Dim down”, you can adjust to set 1% light level that you require. Click the “ Save” button, then later each time the system runs to 1%, the light level will be just like what you have set.

## Work Mode



**Mode 1:** Output Line 1 and Line 2 will work in the same mode, then only “ L1+L2 Table” in the right side can be entered;

**Mode 2:** Output Line 1 and Line 2 will work in different modes, then enter “ L1 Table” and “ L2 Table” into setting their respective modes.

When “ Master” is on, our controller is master with Triac dimming, we will only be able to control lights with Triac dimming function. When “ Slave” is on, our controller is slave with 0-10v dimming, we will be able to control lights with 0-10v signal from central control room.



## Timetable

Month	Day	Year	Start		L1+L2-Table: <input type="text"/>	
Start Day	End Day	Hour	Min	Light Level	Ramp Minutes	
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0

Save  
Clear  
▲  
Page 1/10  
▼  
Exit

**Step 1:** Setting the starting date(Month/Day/Year) of auto programming.

**Step 2:** Timetable Setting(Start Day/End Day/Hour/Min/Light Level/Ramp Minutes)

**Step 3:** After finishing timetable setting, enter " Save " " Start ", the auto program will start to run.

**Step 4:** Enter " Exit ", you will see the running status of Line 1 and Line 2 on the main interface.

You can set several different timetables according to your actual needs, and name it Table 1 or 2 or 3... on top right corner, and save then by clicking " Save ".

Then you can choose any one of timetables and let it auto-run by clicking " Start ".

### ? Ramp Minutes:

The total time to achieve required "Light Level" from the starting time. The "Light Level" will gradually increase or decrease in "Ramp Minutes" to stimulate sunrise and sunset.

### Notice:

- 1.After finishing time table setting, " Save " must be entered, then enter " ▼ " into setting in the next page.
- 2.If entering " Clear ", the whole timetable in current page will restore to original status.



# Example for Auto Setting



Poultry House Intelligent Dimming System

The following lighting program is for broilers, users can set own programs as the following operation.

## Example for Timetable Setting

Month	Day	Year	Start	L1+L2-Table:		
	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes
1	1	7	1	45	50	15
2	1	7	10	45	100	15
3	1	7	23	0	0	15
4	8	52	6	45	65	15
5	8	52	10	45	10	15
6	8	52	23	0	0	15
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0

Save  
Clear  
▲  
Page 1/10  
▼  
Exit

### Mode 01 Running Status / 1st-7th Days

T01:02:00-10:45(50%)

T02:11:00-23:00(100%)

T03:23:15-01:45 (0%)

From 01:45-02:00, the light level will increase gradually from 0%-50% in 15 minutes.

From 10:45-11:00, the light level will decrease gradually from 50%-100% in 15 minutes.

From 23:00-23:15, the light level will decrease gradually from 100%-0% in 15 minutes.

### Model 02 Running Status / 8th-52th Days

T04:07:00-10:45(65%)

T05:11:00-23:00 (10%)

T06:23:15-06:45(0%)

**Above Steps are the same for setting other modes.**

### Notice:

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

