



USER MANUAL

Intelligent Dimmer & Timer System (Agri-IDS)-IP66



Master & Slave Control / Battery Back-Up

DIY Lighting Program
24Hrs/Days Auto-programmatic Operation



Specific Parameters



Poultry House Intelligent Dimming System

Features

- Precise and consistent dimming
- Top Smooth dimming from 0-100% flicker free to simulate the sunrise&sunset, to improve the animal welfare
- Schedule up (Broilers / Layer hens) or Support DIY set up
- Built-in Digital CPU with smart timing + dim control
- Programme timed or temporary dimming override
- Transition time available for daylight simulation
- Fully automatic control or manual options
- 7 Inches LCD display
- Trailing edge IGBT transistor dimming and 0-10v controlling signal
- Battery Back-Up RTC to ensure the programmed cycle can not be affected by power outages or downtime during the switch over to back up generator

Electrical Specs

Model No.	Output Current	Output Power / 110V	Output Power / 220V	Input Voltage	Frequency
Smart Control System- Triac (Master&Slave)					
GL7065	1*10A	Maximum resistive load : 1100W	Maximum resistive load : 2200W	AC100-240V	50/60 Hz
GL7066	2*10A	Maximum resistive load : 2200W	Maximum resistive load : 4400W	AC100-240V	50/60 Hz

Recommended Installation Quantity (Rated Voltage:220V)

Q'ty(Suggested) / Power Type	20W	24W	28W
IDS-2000-1C	80pcs	70pcs	60pcs
IDS-4000-2C/3C	160pcs	140pcs	120pcs

Recommended Installation Quantity (Rated Voltage:110V)

Q'ty(Suggested) / Power Type	20W	24W	28W
IDS-2000-1C	40pcs	35pcs	30pcs
IDS-4000-2C/3C	80pcs	70pcs	60pcs

Interface Description



Poultry House Intelligent Dimming System

	L1	L2
Current Brightness:	50	65
Current Day in Flock:	15	15
Total Day in Flock:	120	120
Working mode:	Work the Same	Work the Same
Timing Table:	1	1
Starting time:	Month 1 Day 1 Year 2021	Month 1 Day 1 Year 2021

Main Interface

Important Notice:
 when you click
 “ Brightness Option ”
 or “ Settings ”,
 you have to input the
 password to enter the
 next screen
Original Password: No. “9528”

L1 63%

- Turn on
- Coarse Dim+
- Coarse Dim-
- Fine Dim+
- Fine Dim-
- Turn off

L2 50%

- Turn on
- Coarse Dim+
- Coarse Dim-
- Fine Dim+
- Fine Dim-
- Turn off

Manual Dimming Control

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

Current Time: 15 Jan 2021 17:17:27

Adjust Time: Month 1 / Day 15 / 2021
 15 : 15 : 30

Adjust

System Setting

Month 1 Day 1 Year 2021 Start L1+L2-Table: 1

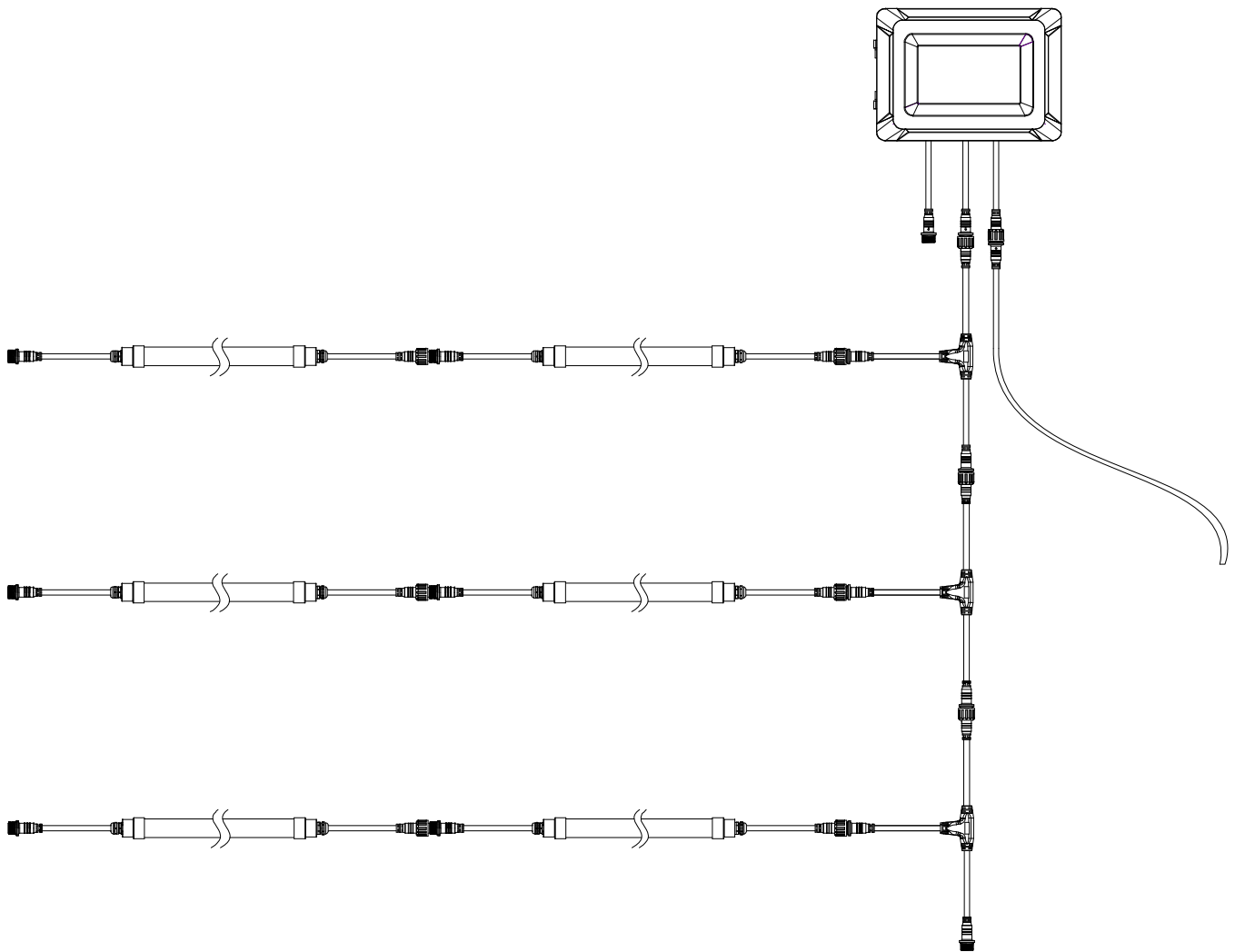
	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes
1	1	7	1	45	50	15
2	1	7	10	45	100	15
3	1	7	23	0	0	15
4	8	52	6	45	65	15
5	8	52	10	45	10	15
6	8	52	23	0	0	15
7						
8						
9						
10						

Save | Clear | Page 1/10 | Exit

Auto-Programming Setting



IDS LED Poultry Light Connection (Triac)





Manual Dimming Control



1. Click the Brightness Option button on the main interface, enter the password, and enter the “manual dimming Control” interface.
2. Click the Turn on / Turn off button to turn on/off the light
3. Click the Coarse Dim+ / Coarse Dim- button to adjust the brightness by $\pm 5\%$
4. Click the Fine Dim+ / Fine Dim- button to adjust the brightness by $\pm 1\%$
5. Click the Back button to return to the main interface

Notice:

When you click Turn on/off, Dim+/-, the light brightness will change very slowly in order to get a better smooth dimming to reduce the stress caused by sudden changes in light brightness.



Master & Slave

	L1	L2
Current Day in Flock	15	15
Total Days in Flock	120	120
One Shot Light level	50	
One Shot Duration(Min)	44:50	
Master / Slave	<input checked="" type="radio"/> Master	<input type="radio"/> Slave

1. Click the Settings button on the main interface, enter the password
2. Click the Options button to switch to the master & slave setting interface
3. Click Master and Start button to let the system work under "Master" mode
4. Click Slave and Start button to let the system work under "Slave" mode

How to Use “One Shot Light Level” and “One Shot Duration” ?

If you want to set the specific brightness temporarily for some purpose, for example, for cleaning work. Just input the brightness percentage and input the duration time. Click Start , then the light brightness will change to run what you've set. Once the time passes, the light brightness will automatically switch back to the original setting.



Password Setting

1. Click the **Settings** button on the main interface, enter the password
2. Click the **Password** button to switch to the password setting interface
3. Original Password: 9528
4. Enter a new password, Re-enter the password to confirm.
5. Click **Confirm** to complete the password setting.

Time Setting

1. Click the **Settings** button on the main interface, enter the password
2. Click the **Time** button to set your local time.
3. **Current Time** Displays the current date and time
4. **Adjust Time** Enter the current date (month, day, year) and time (Hours, minutes, seconds)
5. Click **Adjust** to complete the date and time setting.



1% Min. Adjust



1. Click the button on the main interface, enter the password
2. Click the button to enter the 1% Min. Adjust interface
3. When you enter this interface, the light level will automatically turn to brightness 1%.
By clicking or or Slide the “Progress Bar”, you can adjust the 1% minimum brightness
4. Click to complete the setting.

Work Mode



1. Click the button on the main interface, enter the password
2. Click the button to enter the select work mode interface
3. Click , Output Line 1 and Line 2 will work in the same mode, then only in the right side can be entered;
4. Click Output Line 1 and Line 2 will work in different modes, then enter and into setting their respective modes.



Timetable

Month Day Year L1+L2-Table:

	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Page 1/10

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, click “ ” “ ”, the auto programme will start to run.

Step 4: Enter “ ”, 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 as Table 1 or 2 or 3... on top right corner, and save then by clicking “ ”.

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

? 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, “ ” must be entered, then enter “ ” into setting in the next page.
- 2.If entering “ ”, the whole timetable in all page will restore to original status.



The following lighting program is for broilers, users can set own programme as the following sample.

Example for Timetable Setting

Month	Day	Year	Start		L1+L2 Talbe	
1	1	2021				1
	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes
1	1	7	5	30	20	15
2	1	7	7	0	60	15
3	1	7	19	15	40	30
4	1	7	21	0	0	10
5	8	60	6	0	80	15
6	8	60	21	30	0	15
7	61	120	6	0	95	15
8	61	120	22	0	0	15
9						
10						

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 increase 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-52nd Days

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

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

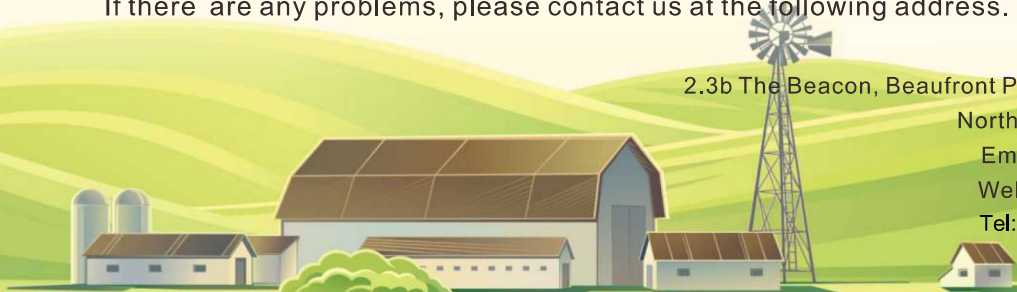
T06:23:15-06:45(0%)

Above Steps are the same for setting other modes.

Notice:

Rising and Dropping Time is 15mins according to the RSPCA's Standard for Chicken farm lighting.

- 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.



Gallina LED Ltd.,
 2.3b The Beacon, Beaufront Park, Anick Road, Hexham,
 Northumberland NE46 4TU, UK
 Email: sales@gallinaled.com
 Website: www.gallinaled.com
 Tel: +44(0) 7813 123411