



Intelligent controller

Para balastos electrónicos regulables/LED
For dimmable electronic ballasts/LED

Longood new generation lighting controller

With the amazing 7inch HD IPS screen, Smart lighting controller provides grower with precise lighting cycle control.

It is supportable to daisy chain 160pcs max with 2 outputs.

It is designed for power dimming of HID grow lights and LED lamps, it is easily to adjust dimming and spectrum by programming and DIY spectrum.

Longood controller gives grower more choices to grow the plants in customized way, like:

- ▶ Customized spectrum, HPS&CMH&LED grow light daisy chain are supportive (such as HPS+LED, CMH+LED)
- ▶ Arbitrary timing operation, standardized planting.
- ▶ Enhance the uniformity of ambient lighting through independent control

Controller Features:

There are two separate control areas

- ▶ Photoperiod timing controls the startup and shutdown cycles
- ▶ Accurate scheduling of photosynthetic RMS
- ▶ Automatic-dimming when the temperature exceeds over the set point

- ▶ The grow lights will be emergency shutdown automatically to protect plants by set up the over-temperature timing
- ▶ Simulate sunrise and sunset, providing light slowly rising and falling process.
- ▶ Built-in real-time clock, can save parameters.
- ▶ Adapter voltage: 100-240V 50/60Hz 0.3A

2pcs*temperature sensor

Achieves automatic temperature dimming in two areas to protect the plants.

2*0-10V controller cables

Standardized controller cables, widely compatible for most of grow lights on the market.

Electrical characteristics

- ▶ Maximum 2 controlled areas
- ▶ Daisy chain to 160 HID/LED units in total
- ▶ Adapter: 100-240VAC 50/60Hz 0.3A output 5VDC 2A
- ▶ The weight of 240 g/1 0.53 Lb
- ▶ Warranty for 3 years

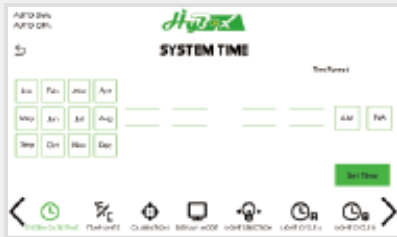


Amazing Large HD Screen

Suitable For All LED grow lights

Stronger Anti-Interference Ability

Tiempo del sistema / System time



Programa el tiempo del sistema, será 24 horas. Registre la versión del software y el registro de operaciones.
Set the time of the system, it will be 24hours. Record the version of the software and operation log.

Rendimiento / Performance

Voltios de entrada / InputVolts	5V CC / 5V DC
Seleccionar tipo de balasto / Select ballast type	600W/1000W/315W
Ajustar el nivel de salida / Set output level	50-110%
Salidas / Outputs	2
Sensores de temperatura / Temperature sensors	50
Cantidad de balastos por salida / Number of ballast per output	100
Módulos del contactor externo / External contactor modules	2 Opcionales / 2 Optional

Exterior / Physical

Largo de la carcasa / Case length	201mm	7,9"
Ancho de la carcasa / Case width	117mm	4,6"
Alto / Height	23mm	0,9"
Peso / Weight	240g	0,53Lb

Conexiones / Connections



PAR	Connector for PAR Meter sensor
TA	Conector para sensor de temperatura de 3.5mm Canal A Connector for Temperature sensor of 3.5mm Channel A
GROUP A	El terminal A que controla hasta 100 balastos de PCS The terminal A that can control up to 100PCS ballasts
TB	Conector para sensor de temperatura de 3.5mm Canal B Connector for Temperature sensor of 3.5mm Channel B
GROUP B	El terminal B que controla hasta 100 balastos de PCS The terminal B that can control up to 100PCS ballasts
DC5V/2A	DC-5V Entrada, 100-240V DC-5VDC Inyector (2000mA) DC-5V Input, 100-240V DC-5VDC Injector (2000mA)

Interfaz principal / Main interface



Display the machine status, and the saver's information

Interfaz de menu / Menu interface

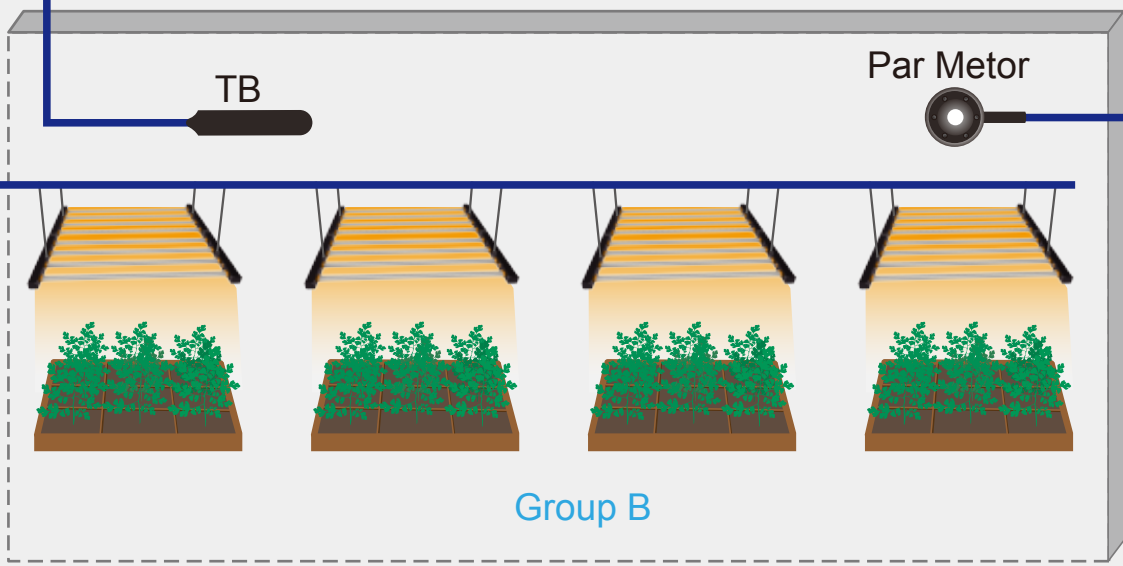


SYSTEM DATE/TIME	Set the localtime
TEMP UNITS	Display temperature with C Or F
LIGHT CYCLE A	CHANNEL A Lights runing cycle
AUTO SHUTDOWN	Set the temperature perfection
DATA LOG	Record user actions
FACTORY RESET	Factory reset

Interfaz del ciclo de luz / Light Cycle Interface



Ajustar el tiempo de inicio y finalizado de la luz. (Solo es efectivo en Modo automático)
Adjust the starting time and ending time of the lighting. (Only it is effective when in Auto mode)



Controller link, as shown in figure:

As shown, one controller can manage the lighting of two rooms, control the growth lights in two separate rooms, to make sure the plants in good growth environment.

