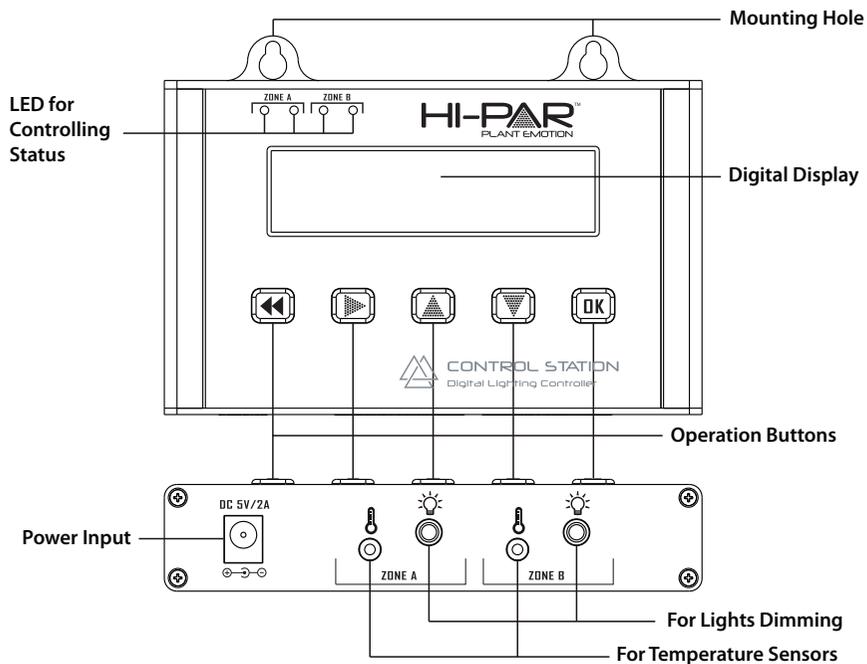


Installation Directions

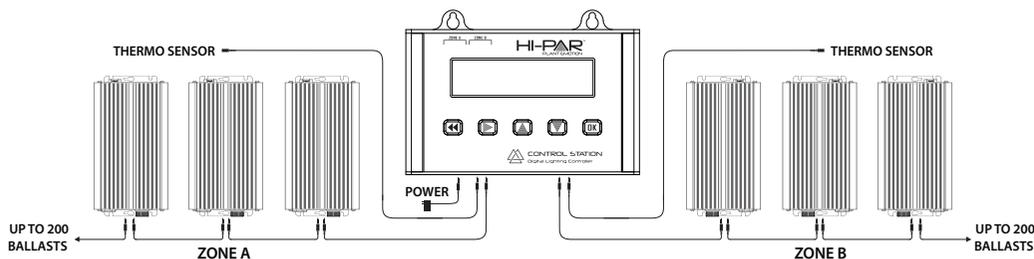


DIGITAL LIGHTING CONTROL STATION

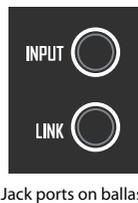
USER MANUAL



Multiple Ballast Setup



To set up the HI-PAR 'Control Station' for multiple ballast use, plug one end of a Connect Link cable (in box and included with compatible ballasts) into the jack marked with Lamp symbol for Zone A. Insert the other end into the 'INPUT' jack (see diagram right) on the first ballast in your ballast group. Each additional compatible ballast you purchase will also include another Connect Link cable. The second ballast and every subsequent ballast in this zone will be connected in the following way: Insert Connect Link Cable from 'Link' port on ballast 1 to 'INPUT' on ballast 2, to connect ballast 3, insert Connect Link Cable from 'Link' port on ballast 2 into 'INPUT' on ballast 3 and so on up to 200 ballasts. Physical setup of ballasts in Zone B is exactly as described above for Zone A.



Packing List

ITEM	DESCRIPTION	QTY
1.	Digital Controller	1pc
2.	User Manual	1pc
3.	Power Adapter	1pc
4.	Light Dimming Cable	2pcs
5.	Temperature Sensor Cable	2pcs

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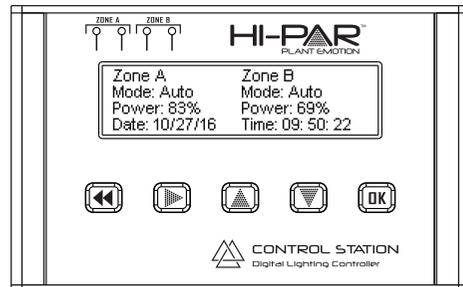
DIGITAL LIGHTING CONTROL STATION

Please read the instructions in this manual carefully before use.

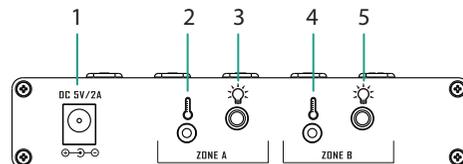
•Technical Parameters	
Power	DC5V/2A
Match Ballasts	315W、400W、600W、630W、750W、1000W
Control Command Time Interval	2S
Power Dimming Scope	60%-110%
Power Regulation Accuracy	1%
Temperature-controlled Adjustable Inspection Scope	0°C-40°C
Temperature-controlled Protection Inspection Scope	10°C-50°C
Sunrise and Sunset Duration	0-30min

*We recommend using HI-PAR Controllable ballasts for optimum performance.

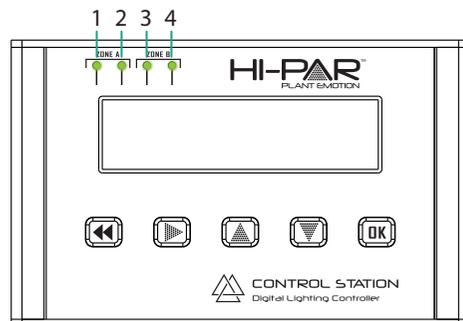
•Keypad Illustration	
Key	Function
◀◀	Page Up or Page Down
▶	Move Right
▲	Increase Selected Parameters
▼	Reduce Selected Parameters
OK	Confirm/Save



•Interface Specification	
Note	Function
1	Power Adapter Interface
2	ZONE A Temperature Probe Socket
3	ZONE A Signal Output Socket
4	ZONE B Temperature Probe Socket
5	ZONE B Signal Output Socket



•Indicator Light	
Note	Function
1	LED ON: Normal status LED OFF: Temperature Control Line not connect well LED SLOW FLASH: High temperature warning LED FAST FLASH: High temperature, exceed pre-set value, ballast turn off
2	LED Light On: Lamp on LED Light Off: Lamp off
3	Same as 1
4	Same as 2

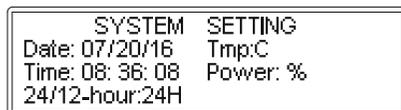


•Operation Method

Please preset the controller time to your real time:

1.Real Time Setting

- 1.1 Press "◀◀", enter into "SYSTEM SETTING".
- 1.2 Press "▶", to the parameter you want to set (Year, for example).
- 1.3 Press "▲", "Year" will increase, press "▼", "Year" will decrease.
- 1.4 Press "OK", "Year" setting finishes.



1.5 Same way as above, you can set "date" "month" "hour" "minute" "second" "temperature" "Power % or W" and save the value you set.

1.6 After all values are set press "OK" to save.

2. ZONE Parameter Setting (ZONE A: 1000W, for example)

2.1 Press "◀◀", enter into "ZONE A".

Power Type option: 315W、400W、600W、630W、750W、1000W (here 1000w, for example)

Power: Dimming 0% (OFF)、60%~110% (ON)

On/ Off: Sunrise/sunset

Dim/Stop: Temperature-controlled scope (0~40°C) (power decline to 60%)/Temperature-controlled protection scope (10~50°C)

Sunrise/Sunset: duration time (0~30min)

2.2 Press "▶", and choose the parameter you want set.

2.3 Press "▲" or "▼", increase or reduce value.

2.4 After setting, press "OK" to save the values you set.

Type:1000W	Power: 60% Zone A
On:08:00	Off: 19:00
Dim: 30.0C	Stop: 40.0C
R/S:20min	Delay:20min

3. Output Power Setting

3.1 Press "▶", choose "ZONE A" or "ZONE B"

3.2 Press "▲" or "▼" to set the output power

3.3 Press "OK" to save the output power you set

Zone A	Zone B
Power: 60%	Power: 110%
Temp:31.0C	Temp:null
	07/20/16 08:34

Note:

1. When entering set mode, if there is no operation for 10seconds, controller will go back to home page automatically.

4. Operation Examples

Example 1:

Status: ZONE A control 1000W ballast, output power is 60%, sunrise time 08:00(turn on), sunset time 19:00 (turn off), sunrise and sunset duration time is 20mins, if 30°C ≤ ambient temperature ≤ 40°C, dimming down to decrease power and temperature, if temperature > 40°C, turn off and enter into protection status.

Type:1000W	Power: 60% Zone A
On:08:00	Off: 19:00
Dim: 30.0C	Stop: 40.0C
R/S:20min	Delay:20min

Zone A	Zone B
Power: 60%	Power: 110%
Temp:31.0C	Temp:null
	07/20/16 08:34

5. Troubleshooting

Problem	Inspection Method	Troubleshooting
Controller doesn't have any display after plugging in power.	Check the power supply	Waiting power supply back
	Check the adaptor	Change another adaptor
	Check the controller	Change another controller
Fail to control ballasts	Check the connection of the controller and ballasts, make sure each connection is good.	Reconnect the wires
Controller doesn't have any temperature display after temperature probe is connected.	Check if the temperature probe is damaged.	Change another temperature probe
Fail to turn on the lamp	Check the LED on the ballast to make sure the LED above the phone-out plug is flashing normally.	Reconnect the wire
Ballast power output is different than programmed output.	Check the sunrise and sunset time	Reset sunrise or sunset time.
	Check the temperature probe and temperature-controlled value you set	Change the temperature-control value you set.