

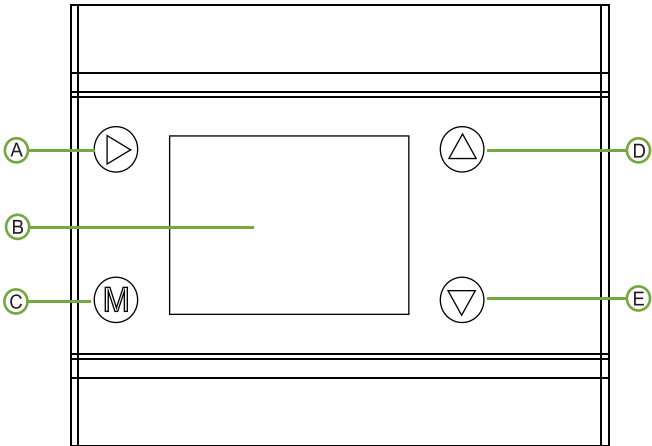
Operation Instructions

Introduction

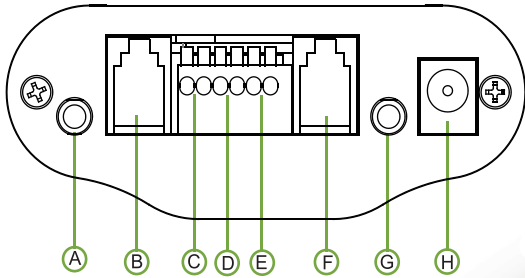
Thank you for purchasing a B-Lite Ballast Controller! Please review the following instructions to ensure you receive the best performance possible. The B-Lite Ballast Controller is capable of operating up to 80 ballasts at a time to keep your grow room in tune and operating at peak performance!

Performance	
Input/Volts	5v DC
Select Ballast Type	400W/600W/750W/1000W
Set Output Level	50-115%
Outputs	2
Temperature Sensors	2
Number of Ballast Per Output	80
External Contactor Modules	2 Optional

Weight/Dimensions		
Case Length	102mm	4.02"
Case Width	80mm	3.15"
Height	31mm	1.22"
Weight	170g	0.35lb



Controls		
	Key	Function
A	Enter	Go To Menu/Confirm
B	Display	Display Status and Controller Menu
C	Menu	Switching Menu
D	Up	Navigate Up in Menu/Confirm
E	Down	Navigate Down in Menu/Confirm



CONNECTIONS	
A	3.5mm Jack Aux Temperature Sensor
B	RJ9 AUX Port for Controlling Up to 50+ Ballasts
C	Cage Clamp Connector EEM
D	Cage Clamp Connector EEM
E	Cage Clamp Connectors for Alarm Contacts
F	RJ9 Main Port for Controlling up to 50+ Ballasts
G	3.5mm Jack Main Temperature Sensor
H	5V DC Input

Operation Instructions

Display Settings	
1	Press the arrow keys “M” to “P2”
2	Press the arrow keys → to “EEM On/Off” Press the arrow keys ▲ to selected “Main” or “Aux” Press the arrow keys → to “On/Off,DIM” Press the arrow keys ▲ to set the ballast On/Off or output percent
3	Press the arrow keys → to “ EN,Rise/Set ” Press the arrow keys ▲ to selected “ √ ” or “ X ” and “Time” Press the arrow keys → to selected “ Turn on ” or “Turn off” Press the arrow keys ▲ to set the time value you wish to adjust
4	Press the arrow keys → to “ EN,Units ” Press the arrow keys ▲ to selected “ √ ” or “ X ” and “ °C ” or “ °F ” Press the arrow keys → to “ Temp Limit” Press the arrow keys ▲ to set the temperature value you wish to adjust
5	Press the arrow keys → to “ Ballast(W) ” Press the arrow keys ▲ to set the Ballast you wish to adjust
6	Press the arrow keys → to “ REC Time ” Press the arrow keys ▲ to set the locate time

Dim Settings	
1	Press the arrow keys “M” to “P1”
2	Press the arrow keys → to “Main Light Dim” or “Aux Light Dim” Press the arrow keys ▲ to set the power value you wish to adjust

Power Settings	
1	Press the arrow keys “M” to “P1”
2	Press the arrow keys → to “Main Turn ON/OFF” or “Aux Turn ON/OFF” Press the arrow keys ▲ to selected “ON” or “ OFF”

P2 Config Master Control ECC041D		
→ EEM On/Off	√ Main	√ Avx
On/Off,DIM	√ 100%	√100%
EN,Rise/Set	X	1min
Turn On	16:00	17:00
Turn Off	11:00	08:00
EN,Units	√ °C	°F
Temp Limit	55/131	55/131
Ballasts(W)	1000	1000
RTC Time	19:59:01	

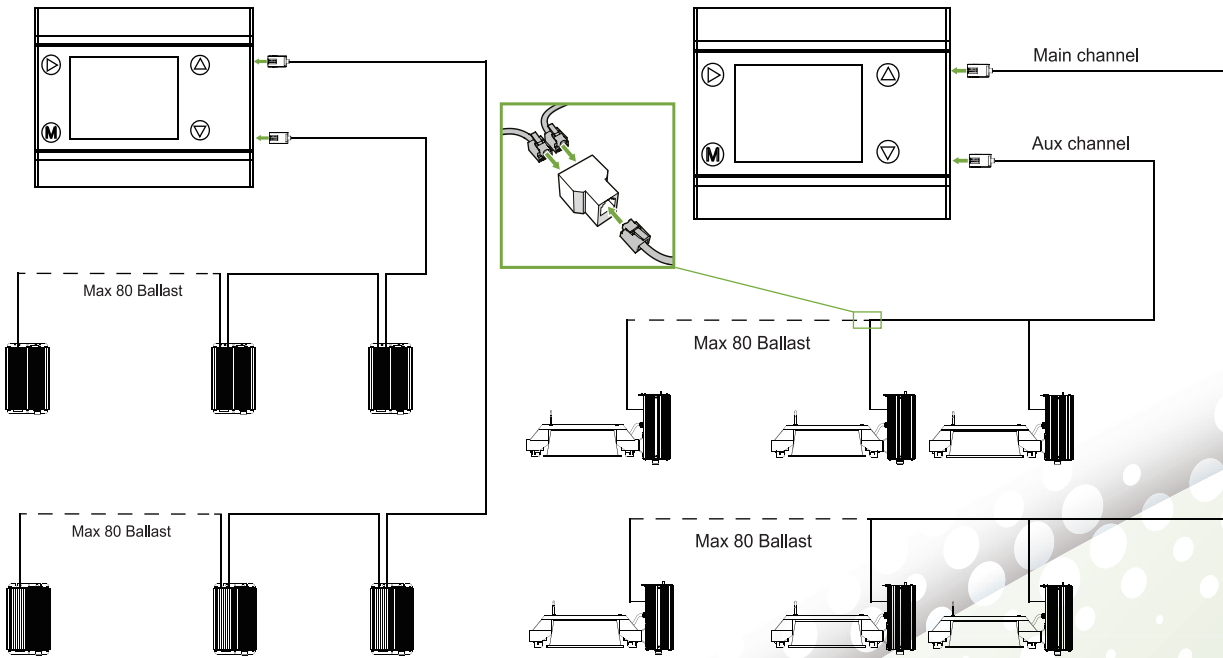
P1 Master Control-ECC041		
ON %	Main	OFF % AVX
100 %	1000 W	100 % 1000 W
01 °C	00 %th	01 °C 00 %th
On: 16:00		On: 17:00
Off: 11:00		Off: 11:00
Off: 55 °C		Off: 55 °C
18:20:22	→ Main Light Dim	
	↑ ↓ :Up/Down M:Config	

P1 Master Control-ECC041		
ON %	Main	OFF % AVX
100 %	1000 W	100 % 1000 W
01 °C	00 %th	01 °C 00 %th
On: 16:00		On: 17:00
Off: 11:00		Off: 11:00
Off: 55 °C		Off: 55 °C
18:20:22	→ Main Turn ON/OFF	
	↑ ↓ :ON/OFF M:Config	

Operation Instructions

Connecting Controller to Remote Ballast/s	
1	Switch the rotary knob on all ballasts to "EXT".
2	Plug the RJ9 end of the provided controller cable into the RJ9 main port of the controller.
3	Plug the RJ14 end of the controller cable(s) into one of the two RJ14 ports of the first ballast.
4	Interconnect the remote ballast to the next ballast in line using an interconnect cable with RJ14 plugs. Repeat this process to connect up to 80 ballasts.

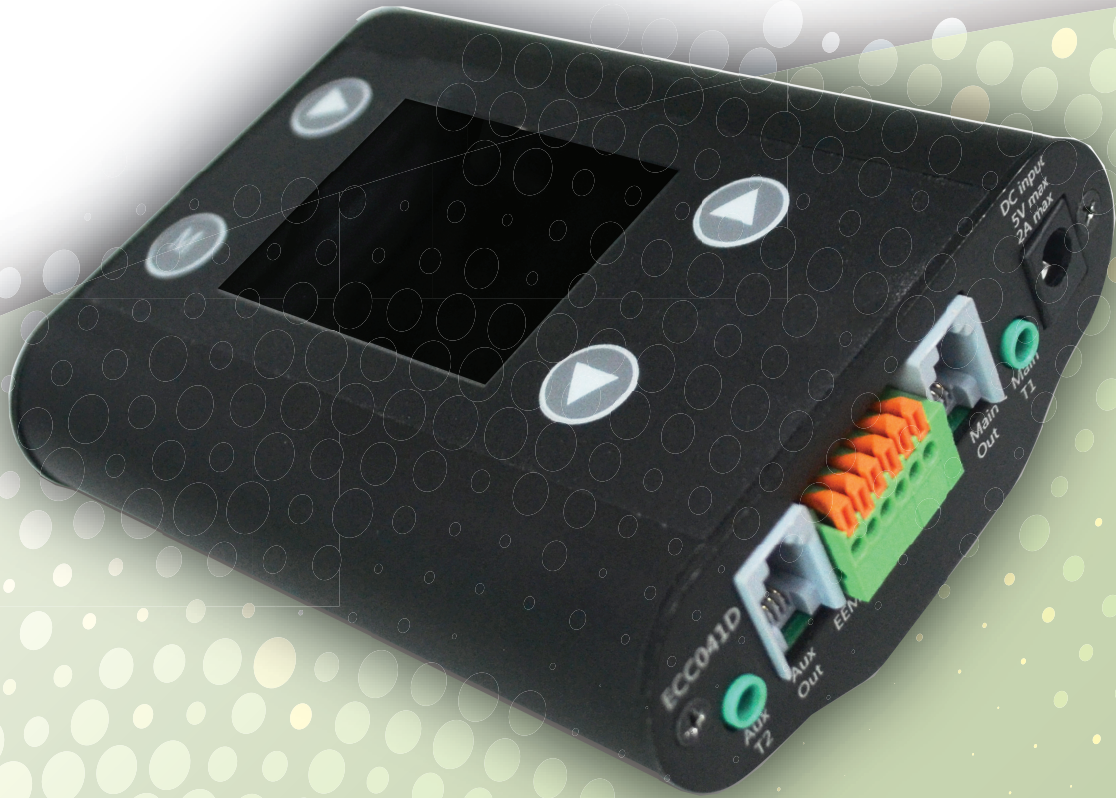
Connecting Controller to Reflector/Ballast/s	
1	Switch the rotary knob on all ballasts to "EXT".
2	Plug the RJ9 end of the provided controller cable into the RJ9 main port of the controller.
3	Plug the RJ14 end of the controller cable(s) into the input of a RJ14 splitter. Use an interconnect cable to connect one output of the RJ14 splitter to the RJ14 port of the ballast.
4	Use an interconnect cable to connect one output of the RJ14 splitter to the input of the following RJ14 splitter.
5	Repeat this process to connect up to 80 ballasts.



Data is based on tests performed in a controlled environment and are representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.



BALLAST
CONTROLLER



Operation Instructions