BLACK BOX CONTROL SYSTEM

LPDP

MCP

Control your entire grow site from lighting and HVAC to fertigation and security, please consult Barron customer service for specific functionality release dates.

Color touch screen interface.

Proprietary, in-house UL Listed design.

CONTROL **UP TO 3,072** FIXTURES OR LAMP CIRCUITS PER MCP PANEL

BLACK BOX
CONTROL SYSTEM

The Black Box Control System is the horticultural industry's first large-scale reliable lighting controller coupled with environmental monitoring and complete data logging. The Black Box can control your entire grow site from lighting and HVAC to fertigation and security, please consult Barron customer service for specific functionality release dates. With the Black Box all information can be input via a convenient touch screen and can be accessed anywhere, at any time.

LPDP

MCP

Key Features

- Large-scale reliable commercial lighting controller.
- Contains 16 individually controlled rooms/zones.
- Control up to 3,072 fixtures or lamp circuits.
- Control the on/off timing of connected lights.
- Accurately measure ambient temperature, relative humidity, CO_2, Vapor Pressure Deficit.
- Allows for complete data logging.

Dimensions

Model	L	W	H
GLC-BBMCP	16.0"	9.3"	16.0"
GLC-BBLPDP (12 & 24 circuit)	30.0"	9.3"	30.0"
GLC-BBLPDP (36 & 48 circuit)	30.0"	9.3"	36.0"

Weight

Model	LBS	KGS
GLC-BBMCP	40	18.14
GLC-BBLPDP (12 & 24 circuit)	104	47.17
GLC-BBLPDP (36 & 48 circuit)	140	63.50

Ordering Information Example: GLC-BBMCP-7

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Series	Touch Screen
GLC-BBMCP	7 = 7 Inches
	9 = 9 Inches
	12 = 12 Inches

Example: GLC-BBLPDP-12-120

Series	# of Lamp Circuits Input	Voltage	Accessories
GLC-BBLPDP	12	120 = 120VAC (120VAC only available with 12 or 24 circuits)	GLC-THCS = Ambient Temperature/Relative Humidity/CO_2 Sensor
	24	240 = 240VAC	
	36	277 = 277VAC	
	48		

STANDARD SYSTEM FUNCTIONS

1. Each Lighting Power Distribution Panel (LPDP) can have up to three (3) sensors that will display:

   a. Ambient Temperature   b. Relative Humidity   c. CO_2 d. VPD

2. Lighting control based on standard or custom light cycles for each room/zone.

3. For each room/zone, there will be a "Grow Start" with the cycle, days room/zone tracked and displayed for each room/zone.

4. Lamp hours will be tracked for each. Warnings can be sent each time lamps exceed a set number of operational hours.

5. Monitoring and alarming based on data collected by the sensors.

6. Setup screen(s) can be password protected and will allow for the setting of setpoints such as alarm points and lamp life expectancy.

BARRON
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