GROWER'S CHOICE
HORTICULTURAL LIGHTING

Model _____ Date _____

Job Name _____ Type _____

Master Controller

Dual-Channel Lighting Controller

The Grower's Choice Master Controller runs two separate grow areas from one unit. Group A and Group B are programmed independently from an LCD touchscreen, with up to 50 fixtures on each channel (100 total). It works with Grower's Choice ROI, AG and TSL fixtures over RJ14 data cables, in indoor rooms and greenhouses.

Schedules run on a 24-hour clock as a repeating Daily Cycle or a 48-hour Custom Cycle. A 1–60 minute sunrise/sunset ramp imitates natural light at the start and end of the photoperiod. User-set auto-dim and auto-shutoff protect the crop if the room overheats, for example during an HVAC failure.



Features

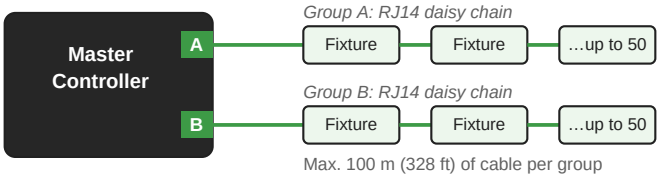
- Two independently programmed channels (Group A and Group B)
- Up to 50 fixtures per channel, 100 per controller
- LCD touchscreen with 24-hour clock
- Daily Cycle and 48-hour Custom Cycle schedules
- Sunrise/sunset ramp, adjustable 1–60 minutes
- LED dimming range 15–100%
- Auto-dim and auto-shutoff on excess heat (user-set)
- Two temperature/humidity sensors, one per group

In the Box

Item	Qty
Master Controller	1
Temperature/humidity sensor with cable	2
USB power adapter and cable	1
Mounting screws	2
Wall anchors	2

RJ14 data cables are sold separately: RJC7 (7 ft) and RJC15 (15 ft).

Connection



Max. 100 m (328 ft) of cable per group

The daisy chain carries the control signal only. Each fixture needs its own power source.

Grower's Choice Master Controller	
Control Voltage Outputs	2 groups (A/B), 0–11.5 V DC
Fixtures per Output	50 max. (100 total)
Max. Cable Length per Group	100 m (328 ft)
Data Cable	RJ14, sold separately (RJC7, RJC15)
Schedule Options	Daily Cycle (24 h), Custom Cycle (48 h)
Sunrise/Sunset Ramp	1–60 minutes
Dimming Range	LED 15–100% HID 50–115%
Temperature / Humidity Sensors	2 (one per group)
Overheat Protection	Auto-dim and shutdown, user-set (0–50 °C)
Display	LCD touchscreen, 24-hour clock
Input Voltage	5 V DC (USB power adapter included)
Weight	1.0 kg (2.2 lbs)
Warranty	3 years

Use Grower's Choice fixtures and RJ14 data cables with this controller. Other brands may cause malfunctions and may void the warranty. Capacity figures apply to the Master Controller.

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