



OVERVIEW

Maximum Fixtures: 2,000

Dimming: 0-10V

Operating Temp: -13° to 158° F

Storage Temp: -40° to 185° F

Operating Humidity: <95% RH

Warranty: 1 year

FEATURES

- Touchscreen interface
- Wireless Bluetooth capability for mobile app access
- Signal range is 160 ft
- Dual-port signal output
- 0-10V LED driver compatible
- Multi-stage timing function can simulate sunrise and sunset
- Temperature and humidity detection sensors

TECHNICAL SPECIFICATIONS

| | | | |
|-----------------------|--------------------------------|------------------------------|---------------------|
| Size | 7.9" (L) x 5.1" (W) x 1.5" (D) | Frequency | ISM Band 2.4-2.5GHz |
| Voltage | DC5-12V | Current | ≤0.5A (DC12V) |
| Dimming | 0-10V | Comm. Range | 160 feet |
| Wireless Power | +4dBm (Maximum) | Receiving Sensitivity | -93dBm (1Mbps) |
| Power | DC-005 Outlet | Sensor | PJ-313 Port (x2) |
| Terminal | KF141 Port (x2) | Lifespan | >1 year |

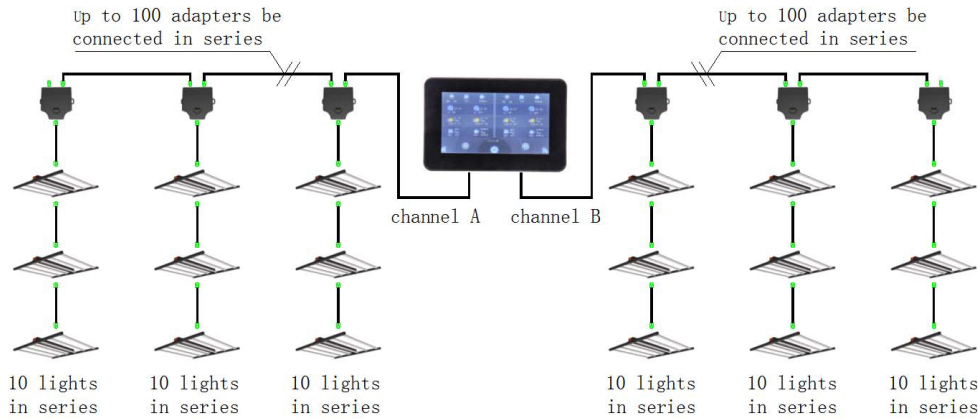
SARIN's Grow Light Control System is equipped with temperature and humidity sensors to detect environmental air parameters. This provides actionable data throughout the plant growth process to help you maintain an ideal atmosphere.

Scheduling your lights with the touchscreen interface is a breeze. To further extend your fixture's functionality the controller can relay the physical switch and dimming signals. The system has a built-in Bluetooth receiver to support short-range wireless app control.

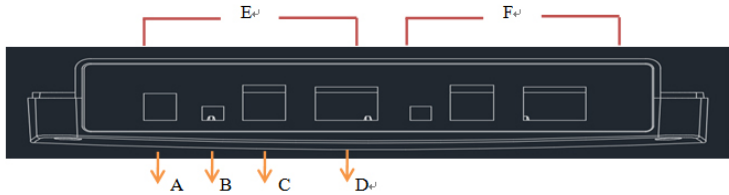
Each channel allows you to connect 100 adapters in parallel, each supporting 10 fixtures in series. This means you can control up to 2,000 fixtures with one controller.



LIGHT CONTROL DIAGRAM



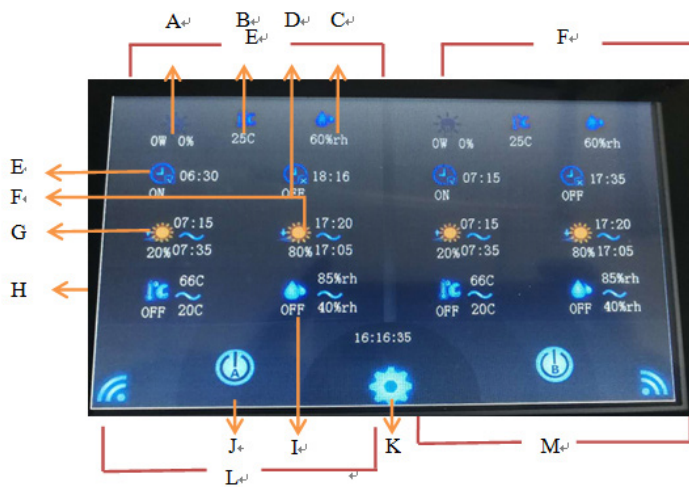
PORT DIAGRAM



| | |
|----------|---|
| A | DC input 5-12V |
| B | 3.5MM Audio input port (for external temperature and humidity sensor) |
| C | RJ45 Interface (for external lamp signal connection) |

| | |
|----------|------------------------------------|
| D | Two external on-off switch signals |
| E | Zone A |
| F | Zone B (symmetrical to Zone A) |

INTERFACE DIAGRAM



| | |
|------------|---|
| A | Switch status, power value, and dimming ratio |
| B/C | Displays the current ambient temperature |

| | |
|----------|--|
| D | Displays the current scheduled shutdown time |
| E | Displays the current scheduled startup time |
| F | Set sunset mode parameters |
| G | Set sunrise mode parameters |
| H | Set temperature thresholds |
| I | Set humidity thresholds |
| J | Light switch button |
| K | Configure system settings |
| L | Zone A |
| M | Zone B |