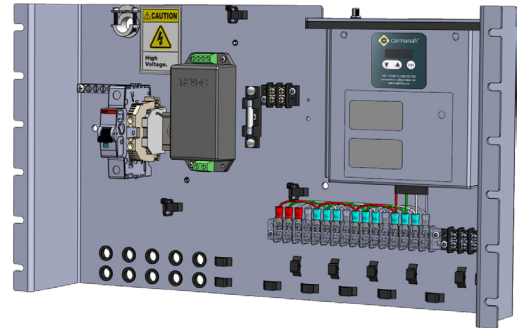


Rack-Mount Controller



This rack-mounted controller quickly installs into Caltrans-style traffic cabinets and can power multiple LED beacons and signs for crosswalk, school zone, and other warning sign applications.

- ✓ Standard 19U rack frame design
- ✓ MUTCD and Buy America compliant
- ✓ Solar or AC-powered



Advanced User Interface

The Rack-Mount Controller comes with an on-board user interface for quick configuration and status monitoring. It allows for simple in-the-field adjustment of flash pattern, duration, intensity, ambient auto adjust, night dimming, and many more. Settings are automatically sent wirelessly to all units in the perimeter.

Compatibility

Compatible with Carmanah RRFBs, circular beacons, and LED Enhanced Signs. Interchange solar and AC-powered models within the same application.

Reliable

Designed with Carmanah's industry-leading solar modeling tools to provide dependable year-after-year operation. We prepare an Energy Balance Report (EBR) for every location.

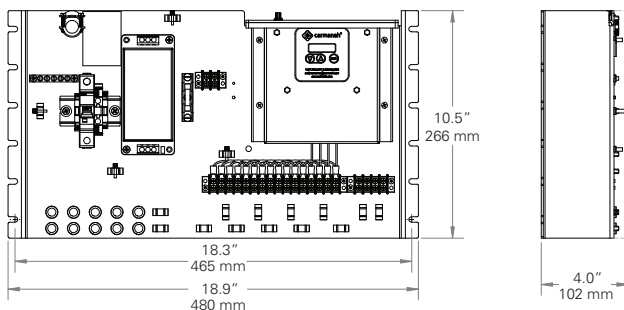
Trusted for 20+ Years

With thousands of installations, Carmanah's systems are the benchmark in traffic applications and other transportation applications worldwide.

SYSTEM SPECIFICATIONS

| | |
|-------------------------------|---|
| | Adjustable system settings with auto-scrolling LED display on our energy management system/rack mount controller |
| | System test, status, and fault detection: battery, solar, button, beacon, radio, day/night |
| | Flash patterns: RFB (WW+S), RFB1 (WW+S legacy), RFB2 (WSDOT), 0.5 sec. alternating (MUTCD), 0.5 sec. unison (MUTCD), 0.5 sec. x3 alternating (MUTCD), 0.1 sec. unison, 0.25 sec. unison, 0.1 sec. x3 quick flashes unison, 0.1 sec. x3 quick flashes alternating, steady on |
| | Input: momentary for pushbutton activation, normally open switch, normally closed switch |
| On-Board User Interface (OBU) | Flash duration: 5 sec. to 1 hr. |
| | Intensity setting: 20 to 1400 mA for multiple RRFBs, circular beacons, or LED enhanced signs |
| | Nighttime dimming: 10 to 100% of daytime intensity |
| | Ambient Auto Adjust: increases intensity during bright daytime |
| | Automatic Light Control: reduces intensity if the battery is extremely low |
| | Temperature correction: yellow or red beacons |
| | Calendar: internal time clock function |
| | Radio settings: enable/disable, selectable channel from 1 to 14 |
| | Output: enabled when beacons flashing daytime and nighttime, or nighttime only |
| | Activation counts and data reporting via OBU or optional USB connection |
| Beacon Communication | Encrypted, wireless radio with 2.4 GHz mesh technology |
| | Wireless update of settings from any unit to all systems on the same radio channel |
| | User-selectable multiple channels to group different beacons and ensure a robust wireless signal |
| | Communicates with all other Gen III radio-enabled systems including our R820-E, -F, and -G circular beacons |
| | Instantaneous wireless activation: <150 ms |
| | Wireless range: 1000 ft (305 m) |
| Power System | Integrated, vandal-resistant antenna |
| | Solar or AC-powered |
| | AC: 100-240 VAC input, 6-14 AWG Replaceable AC-DC power supply, circuit breaker, terminal block wiring |
| Warranty | 5-year limited warranty |

RACK MOUNT CONTROLLER DIMENSIONS



MUTCD



Specifications subject to local environmental conditions, and may be subject to change.

All Carmanah products are manufactured in facilities that are certified to ISO quality standards.

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