

# Flashing ALERT Sign System

## For Use on Surface Streets and Roadways with Speeds of Less than 60 Miles per Hour

Trigger the beacons on Flashing ALERT Signs via control tones sent through your community's existing VHF or UHF radio system. The signs are sized to be perfect for surface streets and roads where motorists travel non-highway speeds.\* Bright, amber LEDs command immediate attention. When the beacons are off, the blue and white portions of the signs remind motorists of the radio signal's presence 24 hours a day, 365 days a year. (\*The flashing LED beacons pictured can be integrated into larger sign panels to garner greater attention or for highway-speed applications.)

Flashing ALERT Signs store enough flash-power to run 4 to 10 days even with no sun. With as little as 1.5 average sun hours per day, each sign's backup battery remains fully charged around the clock.

Place Flashing ALERT Signs on the busiest thoroughfare, one facing each traffic direction. Then place a pair on 2 busy streets that intersect the thoroughfare. Up to 4 Flashing ALERT Signs may be connected to the Remote Control and Power Unit.

Flashing ALERT Sign Systems may be custom-designed for your application with varying power and control methods, sign text, colors and mounting styles. They may also be used independently from Emergency Advisory Radio to announce evacuation and detour routes and emergency actions to take when the beacons are activated. ISS Flashing ALERT Sign LED flash patterns and sign colors are compliant with the Department of Transportation/Federal Highway Administration Manual for Uniform Traffic Control Devices, Regulation 2A.08. Check with street department and highway authorities to coordinate compliance with local/state regulations governing signs in your area.



### **Direct motorists to tune to their Emergency Advisory Radio Station or take other immediate action, when flashing.**

Ultra visible from more than 1000 feet even in daytime, Flashing ALERT Signs grab motorists' attention with embedded flashing LED beacons. Use Flashing ALERT Signs in conjunction with ALERT AM Emergency Advisory Radio Systems and Information Stations to signal that urgent messages are being broadcast. These solar-powered signs can be installed anywhere, without respect to the presence of electrical power services. The result: high flexibility, low cost to install.

# Technical Specifications

## Sign Panel Face

- Typical size: 44" high by 24" wide, customizable (price relates to size).
- Composition: natural aluminum, standard 1/16" gauge reflective black/yellow/blue sheeting; customizable black/white, 2" and 3" high lettering.
- Mount: universal L-bracket for banding, bolting to existing poles or posts.

## Sign Panel Electrical

- LED beacons: 2, amber, weatherproof LED beacons; 41 diodes each; 4.25" diameter embedded reflectors.
- Current draw: 100 milliamps.
- Flash controller: 8A, 50/60 fpm, waterproof.
- Duty cycle: 50% flash.
- Operation time: 2-4 day flash via solar power without sunlight.

## Remote Control & Power Unit Cabinet

- Size: 20" high x 16" wide x 10" deep.
- Construction: NEMA4X, natural aluminum, single-hinge door, hasp-lock-in closure; weatherproof external antenna connector, wiring, ports.
- Mounts: external tabs for universal mounting to existing poles or posts.

## Remote Control & Power Unit Electrical

- Solar panel: 32-watt, 1.95-amp at 12-volt DC.
- Solar panel mount: side-of-pole, band or bolt-on.
- Solar controller: 6-amp current capacity, LED charge indications. Low voltage disconnect circuitry.
- Battery: 55AH, AGM, sealed type.

## Remote Controller

- Capacity: up to 4 flashing signs.
- Control wiring: #14 AWG, each a maximum of 1000 feet from the controller.
- Receive frequencies/ranges: 33-50 MHz (VHF low), 150-170 MHz (VHF high) and 450-470 MHz (UHF).
- Control codes: up to 6 simultaneous codes.
- Code formats: DTMF (up to 12 digits); 2-tone sequential, single-tone 0.3-3.0 kHz.
- Programming output: SPDT relay with programmable timer; laptop programming via RS232 port and Windows-based software.
- Indicators: "ALERT received" LED indicator.
- Speaker: 4" integral.
- Test diagnostics: built in with LED indicators.
- External antenna: 50-ohm BNC connector.
- Alternate control method: commercial paging, POCSAG/flex formats.

## Quotation

Bill Baker ([bill@theradiosource.com](mailto:bill@theradiosource.com), phone 616.772.2300, extension 102) can provide a formal quote based on your application(s). An illustrated instruction manual comes with the product, and ISS offers technical support for the life of the product 24/7 at no extra charge. Visit [www.theradiosource.com](http://www.theradiosource.com) or scan the below QR tag with your phone to go directly to our webpage.



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