



FIRE STATION WARNING SYSTEM

Solar or AC-Powered Flasher Assembly



When there's an emergency across town and every second counts, an RTC Fire Station Warning system can help ensure a fast and safe exit from the station and entrance into your community. Choose one of RTC's three options — traditional 12" beacons, a high-visibility EdgeLight™ sign, or the self-contained, energy-efficient FlashCube™ — to meet your requirements.



FEATURES

- Reliable 900 MHz communications
- Top of pole mounted solar array
- Poly or aluminum heads with 12" LED modules
- 4.5" spun-aluminum or black powder-coated pole with break-away base
- 30"H x 30"W fire station sign 18"H x 24"W fire station text sign
- Gel-cell battery rated as non-spillable
- Natural or black powder-coated .125" 5052 heavy-duty aluminum cabinet
- Flashers are digitally bound to other flashers in the system to ensure accurate communication between flashers
- Spread spectrum, frequency-hopping radios prevent outside radio interference
- Up to 6 flashers can be used in the system with the master radio
- Options: Traditional 12" beacons, high-visibility EdgeLight sign, or FlashCube





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COMPLIANCE

- Circuit board: 502598FCBA NEMA certified
- Solar regulator: for use in CII, Div 2, Gp ABCD hazardous locations, operating temperature -40 to +85°C

COMPONENT MANUFACTURER WARRANTIES

- All RTC components carry a five-year limited warranty in materials and workmanship. Radios carry a one-year standard manufacturer's warranty and batteries carry a two-year standard manufacturer's warranty

PREEMPTION OPTIONS

- RTC uses GTT Opticom – GPS, IR, and IntelliGreen – for preemption communication

COMMUNICATION FLOW (ILLUSTRATED BELOW)

FLASHING CYCLE INITIATED WITH THE MASTER RADIO PUSH BUTTON

- When a push button that has been hard-wired to a master radio inside the fire station is pressed, the master radio transmits a signal (shown in red) to trigger the beacons on any flasher in the network
- The beacons flash until the end of the pre-set master radio timing cycle

FLASHING CYCLE INITIATED WITH A REMOTE CONTROL BUTTON

- When a linear hand-held remote control inside a fire truck is pressed, a signal is transmitted to the master radio; in response, the master radio transmits a master radio signal (shown in red) to start the flashing cycle on any flasher in the network
- The beacons flash until the end of the pre-set master radio timing cycle

SPECIFICATIONS

DESCRIPTION	
RADIO	902-928 Frequency-Hopping, Spread-Spectrum (FHSS) with Time Division Multiple Access (TDMA) functionality
POWER	12VDC 18ma at rest, 84ma transit or 120VAC
SOLAR ARRAY	20 watt standard, 30 to 40 watt as needed
BEACON	12" single-section polycarbonate or aluminum head
POLE	Pelco 4.5" x 15' spun-aluminum or black powder-coated pole, square break-away base with 12" x 14.5" dia. bolt pattern with plastic door, reinforcing collar and anchor bolts
SIGNS	Engineer-grade sheeting – optional diamond grade (yellow or fluorescent yellow-green) or optional high-intensity prismatic (yellow or fluorescent yellow-green), EdgeLight™ or standard options
BATTERY	12 volt gel-cell battery, 58AH or 108AH, rated non-spillable, 37lbs., 9.125"H x 5.5"W x 9.38"D
CABINET	FlashCube™ or .125" 5052 heavy-duty aluminum sheet, neoprene door gasket, Number 2 APL lock, screened vents, 17"H x 14.75"W x 18.5"D
CONTROL PANEL	Mounted with 900 MHz radio, 502598FCB interface panel and 20-amp solar regulator with Low Voltage Disconnect (LVD) to protect the battery from over-discharge

