

Rectangular Rapid Flash Beacon: RRFB-XL2

Extra-large beacons provide greater visibility, ideal for high-speed and multi-lane pedestrian & school crossings

- Driver yielding rates of 80-90%
- Large LEDs exceed FHWA standards
- Completely modular
- Various mounting options

RRFBs have produced 80% to 90% driver compliance in yielding to pedestrians at high-risk uncontrolled crossings. This is the highest yielding rate of all devices not featuring a red display, and up to 4 times greater than standard round beacons. RRFBs cost less than other devices with similar vehicular yield rates.

RRFB options include:

- Advance RRFB wirelessly linked to Crossing RRFB
- Self-powered remote bollard-mounted pushbutton
- Passively activated systems



Applications

- High-speed and multi-lane crossings
- School crossings
- Pedestrian crossings
- Roundabout crossings

Benefits

- Larger LED arrays provide increased visibility
- Significantly higher driver awareness and compliance

Options

- Passive detection (see below)
- Stand-alone, self-powered remote bollard available



Visit **Traffic and Parking** on YouTube for videos on these products and more.

Front view



Top view



Side view



Standard specifications (subject to change without notice)

Extra Large Rectangular Rapid Flash Beacon RRFB-XL

MUTCD Approval	Interim FHWA Approval Memorandum (1A-11)
Housing	Powder coated aluminum
LED modules: 7" x 3"	2 arrays of 8 amber LEDs, SAE J595 certified
Pedestrian LED module : 1/2" x 1 3/4"	Side-mounted, flash concurrent with Vehicle LEDs
Flash pattern	MUTCD specified 2-4...1
Mounting hardware	

Solar-assisted Battery-powered System

Housing	3R aluminum cabinet with #2 Corbin lock (fiberglass available)
Solar panel: 55 watt	25 3/4"H x 25 3/4"W x 1 1/2"D. Adjustable 40° to 60°. Articulating mount rotates and pivots. Conforms to IP-67 (larger packages for high use in colder climates)
Mounting	Aluminum mounting bracket (fits 4"– 4 1/2" O.D. pole)
Battery (one per assembly)	12V, 48AH sealed gel battery requires no periodic watering. Sealed construction eliminates corrosive acid fumes and spills.
Battery lifespan	Up to 4 years
Control Circuit	IP-67 NEMA rated enclosure: dust proof and waterproof (up to 30 minutes in 3 feet of water)

BlinkerBeam™ Wireless Communication System

Frequency	900 MHz FHSS
Range	For system separation over 900', a site survey is recommended
Connectivity	Crosswalk and optional Advance LEDs flash concurrently
BlinkerSync™ Wireless Synchronized Activation	Individual units in one system flash in synchronized patterns (avoids light noise of system operation). Ideal for multiple assemblies flashing in the same direction.
Push-button activation*	ADA pushbutton, typical (<120 millisecond)

*Optional remote, stand-alone pushbutton available (includes self-contained, replaceable battery with typical two-year life)

Programming

Windows TAPCO configuration software

Optional web-based cellular communication for monitoring and control available

Optional time clock system available for school zone signs

Warranty

3 year standard warranty

Optional BlinkerBeam® Wireless Communication



Push buttons can activate BlinkerBeam® solar/battery-powered transceiver radios. These compact controllers activate one or more BlinkerSign® LED Signs, BlinkerBeacon® LED Beacons, RRFB and other ITS devices wirelessly within a 1000 ft. range, up to one mile with an external antenna.

Other activation options:



Optional Time Clock Systems

This hardware controller is integrated into TAPCO BlinkerSign® LED signs and stores the schedule uploaded from the included Scheduling Software. In turn, the controller activates the BlinkerSign® according to the stored schedule.



Optional Push Button Activation

Activated with less than 2 lbs. of force. Provides two-tone audible confirmation as well as visual confirmation. Meets ADA, MUTCD and TAC requirements, and housing meets NEMA specifications. Remote mounting available. Audible navigation units are available.



Optional XAV2-LED Push Button Station

The full featured model provides an instructional sign, a push button with directional arrow for activating the flashing lights, a group of 3 LEDs in the sign, a locate tone (optional), and a voice message. The volume of the locate tone and message is automatically adjusted up and down in relation to ambient sounds via a built-in microphone.



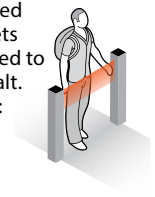
Optional Pedestrian Presence Detector

Active infrared and microwave technologies work together to provide precise presence and accurate motion detection. Mountable between 8' and 16'. Impervious to light, sun, rain and snow. Housing is rated NEMA-4.



Optional Wireless Bollard Activation

Pedestrians and bicyclists can passively trigger flashing BlinkerSign® LED signs, RRFB, BlinkerBeacon™ LED Beacons, in-pavement LEDs and other ITS devices. Actuators are housed in anodized aluminum cabinets that can be secured to concrete or asphalt. Battery operated: no grid wiring required.



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