PATENT NUMBERS 6,943,698 AND 6,693,556. OTHER PATENTS PENDING.

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%
- Solar charged battery power
- Completely modular
- Various mounting options

When used to supplement standard pedestrian or school crossing warning signage, 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 or BlinkerSign® wirelessly linked to Crossing RRFBs
- Multiple activation options
- Multiple power options
- Multiple mounting options
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 activation available

Optional BlinkLink® Modem with Cloud Service
This hardware controller with optional modem can be integrated into the TAPCO BlinkLink® Web service that allows for alerts, remote programming and retrieval of activation logs. This can be integrated into a Smart City Management System.

Optional BlinkerBeam® Wireless Communication
Upon pedestrian actuation, BlinkerBeam® Controller Radios synchronously activate all linked LED assemblies wirelessly, both at the crosswalk and in advance of the crosswalk*. These compact, high output 900MHz transceiver radios have low power draw, so they can be solar/battery-powered.

*Advance assemblies may incorporate RRFB Beacons, BlinkerSign® LED Signs or BlinkerBeacon™ LED Beacons

For more information visit tapconet.com | (800) 236-0112 | blinkersales@tapconet.com

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### Activation Options

**Time Clock Systems**
This hardware controller can be integrated with TAPCO RRFB devices and/or BlinkerSign LED signs, and stores the schedule uploaded from the included Scheduling Software. In turn, the controller permits pedestrian activation (required per FHWA Memorandum) of the RRFB devices according to the stored schedule.

**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 available. Audible navigation units and remote mounting are available.

**XAV2-LED Push Button Station**
The full-featured model provides an instructional, a push button with configurable arrow for activating the flashing lights, a group of 3 LEDs in the plaque, voice message and optional locate tone. The locate tone and message volume automatically adjust in relation to ambient sounds via a built-in microphone.

**Pedestrian Presence Detector**
Active infrared and microwave technologies work together to provide precise presence and accurate motion detection. Mountable between 8’ and 16’. Adjustable cancellation of light, sun, rain and snow. Housing is rated NEMA-4.

**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 secured in concrete or footings. Battery operated: no grid wiring required.

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Due to continuous development of our products, offerings and specifications are subject to change without notice.

For more information visit tapconet.com | (800) 236-0112 | blinkersales@tapconet.com

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**Standard specifications**

**Extra Large Rectangular Rapid Flash Beacon RRFB-XL2™**
- **Light Bar Housing**: Black powder coated aluminum
- **Vehicle LED modules**: 7” x 3”, 2 arrays of 8 amber LEDs spaced 7” apart, SAE J595 class 1 certified
- **Pedestrian LED module**: 1 ¾” x ½”, side-viewable, flash simultaneously with Vehicle LEDs (optional, one or both sides)
- **Flash pattern**: WW + S (combination wig-wag and simultaneous flash)

**Solar-Assisted Battery-Powered System**
- **Control Cabinet Housing**: NEMA 3R type aluminum cabinet with #2 Corbin lock
- **Solar Panel**: 55 watt 25¼”H x 253/4”W x 1½”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 ½” O.D. pole standard. (Other options available.)
- **Battery (one per assembly)**: 12V, 48AH sealed gel battery requires no periodic watering. Sealed construction eliminates corrosive acid fumes and spills. (Other options available.)
- **Battery Lifespan**: Up to 4 years
- **Control Circuit**: IP-67 rated enclosure

**BlinkerBeam™ Wireless Communication System**
- **Frequency**: 900 MHz FHSS
- **Range**: For system separation over 900’, a radio site survey is recommended
- **Connectivity**: Crosswalk and optional Advance LEDs activate concurrently
- **BlinkSync™ 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 push button, typical (<120 milliseconds)

**Programming**
- **Windows TAPCO configuration software**
- **Optional web-based cellular communication for monitoring and control available**
- **Optional time clock system available for advance warning signs**

**Warranty**
- **3-year standard warranty**