

Specifications

Brightness	Peak intensity 500 candela, highly visible flash pattern
Light Beam	30° horizontal divergence, High Intensity Amber LEDs
Dimming	Light intensity dimmed during low light conditions
Transmission Range	100 M (328 ft)
Rated Usage	300 cycles per day, 21 second activation
Activation Time	Adjustable in the field, 15 to 60 seconds
Operating Temperature	-40°F to +165°F (-40°C to +74°C)
Brackets	6061-T6 Aluminum structure, powder coated
Signal Head	8" polycarbonate, available in green or yellow
Collar Dia.	4.8" ID for 4" to 4.5" diameter sign post collars
Dimensions	20" high x 11.5 wide x 27" long (37" long with visors)
Weight	Approximately 34 lbs. each. Shipping weight 40.5 lbs. each

Warranty

JSF Technologies warrants its products against defects in materials and workmanship for a period of one year from the date of purchase. Products that are returned to JSF Technologies will be repaired or replaced at the discretion of JSF. Shipping costs are not included. Products that have been misused, vandalized, or struck by a vehicle are not covered by this warranty. This warranty excludes batteries.

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Instruction Manual

JSF

TECHNOLOGIES

crosswalks just got easier

ACTIVE BEACON

Pedestrian Crosswalk Warning System



The Active Beacon is a push-button activated crosswalk warning system that uses solar and wireless technology. This document provides instructions on operating the unit. More information on the product features is available in the product brochure. The installation manual provides detailed information for the initial installation.



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Operation

The Active Beacon is operated by conventional push buttons. Any commercial push button that does not require power can be used.

The push button is wired to the primary beacon. When the push button is engaged, the transceiver sends out an activation signal. **The transmitter shall automatically cease transmission within 5 seconds after activation.** The secondary beacon is wired to the primary beacon through the top bracket, and is activated directly when the button is pressed.

The activation signal is received by all other all other primary beacons in the vicinity of the crosswalk with the same address, and the beacons will flash for the set flash duration.

Address

Each primary beacon is set with an address that is common to all beacons at that location. Systems within 1.5km of each other should be set to a different address to avoid one system activating another. There are eight unique addresses available. The address is factory set to address A. To change the address, disconnect the power, and remove the access plug from the back of the LED module. Set the dip switches to one of the seven other addresses. Each primary beacon in the crosswalk must be set to the same address.

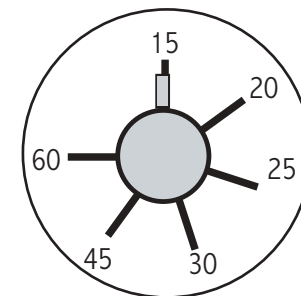
DIP Switch Positions

	A	B	C	D	E	F	G	H
4	☐	☐	☐	☐	☐	☐	☐	☐
3	☐	☐	☐	☐	☐	☐	☐	☐
2	☐	☐	☐	☐	☐	☐	☐	☐
1	☐	☐	☐	☐	☐	☐	☐	☐
	off on	off on	off on	off on	off on	off on	off on	off on

NOTE: Switch #4 is for the flash pattern, not for the address.

Flash Duration

The flash duration is adjustable in the field. Each primary beacon has an adjustment knob that controls the flash duration. There are six available positions. Care should be taken to ensure that each primary beacon is set to the same duration. The duration is factory set for 15 seconds.



Duration (seconds)

Flash Pattern

There are two available flash patterns. Flash pattern #1 is a high-visibility flash sequence which is optimized to draw the attention of drivers. Flash pattern #2 is an MUTCD compliant, half-second on, half-second off cycle. The flash pattern is adjustable in the field. To change the flash pattern, remove the access plug on the primary LED module, and switch the dip switch #4 as shown.

DIP Switch Positions

4	☐	☐	4	☐	☐
3	☐	☐	3	☐	☐
2	☐	☐	2	☐	☐
1	☐	☐	1	☐	☐
	off on			off on	
	Hi-Visibility pattern			MUTCD pattern	

Battery replacement

The sealed lead-acid battery has a lifespan of approximately five years. The battery is a standard model that is available from JSF Technologies or through the battery manufacturer.

To replace the battery, disconnect the battery power (1) and release the two battery retaining straps (2).

