














Applications

This pedestrian-activated crosswalk transmitter is the perfect solution for temporary or permanent locations:

-  **Crosswalks** Great for any mid-block or uncontrolled crosswalk.
-  **Fire Stations** Give your emergency vehicles a chance to enter the roadway by alerting drivers.
-  **Parking Lots** From shopping malls to private industrial sites, they're all a hazard for pedestrians.
-  **Construction Sites** Aid pedestrians in crossing away from construction sites and closed sidewalks.
-  **College Campuses** Busy and packed with pedestrians.

Benefits

-  **High Quality** Designed and manufactured in North America.
-  **Clean Technology** Solar-powered and wireless to save on power bills and end roadway trenching.
-  **Flexible** Adjustable flash pattern and activation duration to accommodate varying traffic conditions.
-  **Reliable** Energy management system to ensure operation under all environmental conditions.
-  **Simple** Installs in minutes to minimize traffic disruption and allow for relocation and re-purposing.
-  **Elegant** Self-contained, cabinet-free, discrete design to enhance streetscapes and inhibit vandalism.

Introduction

Configurations including remote transmitters consist of two integral components: the transmitter and the beacons. Mounted on its own separate pole, the manually activated remote transmitter is connected to a pedestrian push button. When the button is pressed, the transmitter communicates with Pedestrian-Activated AB Beacons installed up to several hundred yards away from the transmitter.

These transmitters can allow the pedestrian push button to be mounted separately from the associated beacons without the need of trenching. This may be necessary due to roadway obstructions and urban planning layouts.

These solar powered transmitters and solar powered beacons are designed for hundreds of activations per day to withstand extended usage.

AB-4400 Transmitter: Pole top mounting

Dimensional drawing coming soon.

Specifications

System Overview

Operation	Pedestrian push button activation Provides remote activation for beacons
Operating temperature	-40°F to +165°F (-40°C to +74°C)
Controller input voltage	4.2 V DC
Solar panel	4.5 W, 6 V
Battery storage	AGM 4 V, 5 Ah, UL Recognised component Field replaceable
Alternate power	AC / Solar hybrid available

Communication

Type	ISM spread spectrum radio, 902-928 MHz
Range	Up to 0.5 miles (800 m) with line of sight
Network addresses	8 unique addresses to avoid interference between multiple crosswalk locations
Compatibility	All AB family units

Power Management

Rated usage	300 cycles per day
Charged capacity	30 days at rated usage (without charging)

Physical Design

Configuration	Fully self-contained
Color	Grey, black, green or yellow
Material	Powder coated aluminum
Weight	Approx — 8.5 lbs. (4 kg)
Available mounting for	Round pole: 2", 3", 4.5" Square post: 6" Telespar and U-Channel: 2" Mid-pole side mount and others on request

Warranty

5-year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)

Compatible Beacon Styles

Beacons for the Pedestrian-Activated AB system are available in several configurations with 8" or 12" round LED signals.



1400 Series:
Single, pole top mounting



2400 Series:
Dual, pole top mounting



3400 Series:
Dual, overhead mounting



7400 Series:
Dual, vertical pole mounting

Contact

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