



**K&K Systems, inc.**  
Traffic Safety Products Manufacturer

# RAILROAD WARNING SYSTEM WITH RADAR AND KEY FOB ACTIVATION

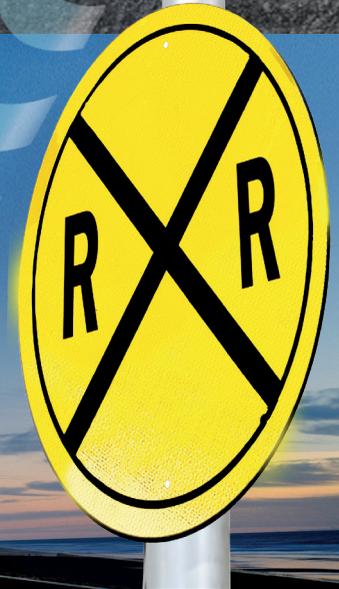
## MODEL ECO 117-D12

This Advanced Warning System utilizes the CrossTalk Controller, Radar Sensor, and Key Fob remote to activate the Railroad Beacons. The CrossTalk is an efficient and cost saving solution for expensive wired traffic signs. It allows communication between the Key Fob Remote and Radar Sensor wirelessly with quick and simple setup. It also easily retrofits to any existing system.

The Key Fob remote works up to a distance of 700 feet allowing personnel to activate the Rail Warning System manually. The remote control communicates with up to 4 signs. Once the "on" button is pushed, the beacons will flash for the programmed amount of time.

The Radar Sensor warns traffic in advance of an approaching train utilizing the CrossTalk and low-power radar triggering. The CrossTalk has easy field configuration with simple on-board rotary switches to program the beacons.

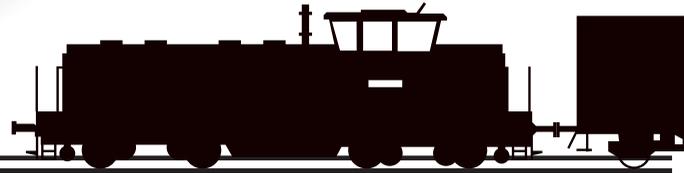
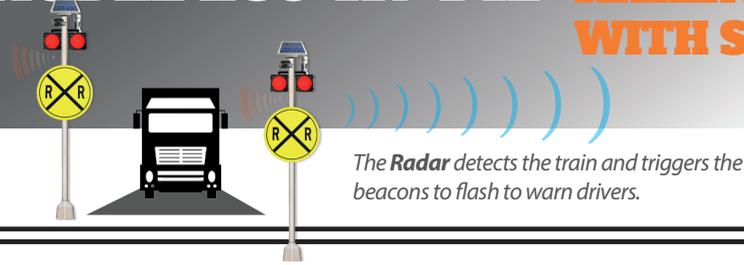
Key Fob Remote  
activates  
beacons up to a  
distance of 700  
feet



## FEATURES

- ▶ Simple installation
- ▶ Solar powered
- ▶ Visible day and night
- ▶ Smart solar charger
- ▶ Automatic light output for maximum efficiency
- ▶ Super bright LED beacons
- ▶ Compact battery box
- ▶ Ultra slim design
- ▶ Remote controlled
- ▶ Weatherproof enclosure

# MODEL ECO-117-D12 RAILROAD WARNING SYSTEM WITH SENSOR ACTIVATION



**Solar Powered Technology** allows this system to operate virtually anywhere. K&K solar panels utilize the most up to date solar technology and electronics to maintain power levels through rain, sleet, heavy snow or strong winds. Built-in blocking diode prevents the reverse flow of electricity. Equipped with a heavy-duty aluminum frame for weather-resistant performance. The Control Box is constructed of aluminum and designed to securely hold the solar panel and protect its contents from the elements.

**Reflective Sign Material** High intensity signage and MUTCD compliant. Can be upgraded to Diamond Grade.

**Electronic Bell** is an electronic bell with three preset volume controls. It measures 6" x 18" tall. It operates at less than 0.15 amps of electricity, which is about 10% the power of a mechanical bell. It rings at a set speed of 250 strokes per minute (4.16 strokes per second), has an operating voltage of 7.5 to 17.5 volts D.C. and can sound between 85 to 95 decibels

**Ultra Bright LED Beacons** are the brightest in the industry and are completely weather proof. The LEDs will adjust brightness according to available light in order to conserve energy and battery life and maximize brightness. Adjust the flash rate from 50/50 to 90/10 duty cycle.

**Radar Sensor** detects moving objects in a wide area. Heavy duty built in a waterproof enclosure. Solar power and simple installation allows this system to be used virtually anywhere.

**Key Fob Remote** A wireless remote control handheld transmitter and wireless relay receiver work together for manual activation. This multi-channel unit provide the flexibility for numerous functions and user selectable network frequencies allow multiple systems to be used in one area with no interference.

**CrossTalk Controller** device is a compact, all-in-one solar controller, flasher, auto-dimmer and scheduler that is programmed using CrossLink from a central office or via cellular service using a mobile device. The CrossTalk is located inside the control cabinet under the solar panel. CrossTalk can be used to control a single sign or multiple signs at multiple locations by programming through the web-based software.

## Benefits:

- ▶ Convenient handheld Key Fob remote control activation
- ▶ Radar Sensor activation
- ▶ All controls are enclosed in a protective aluminum control box located under the solar panel.
- ▶ LED lighting for low energy consumption, but maximum light output
- ▶ CrossTalk provides for remote key fob and radar sensor control
- ▶ Replacement battery can be purchased "off the shelf"
- ▶ Multi-stage battery charger included.
- ▶ Lightweight design
- ▶ Easy Installation and setup
- ▶ Easily retrofits to existing system



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