



# Z-Stuff for Trains

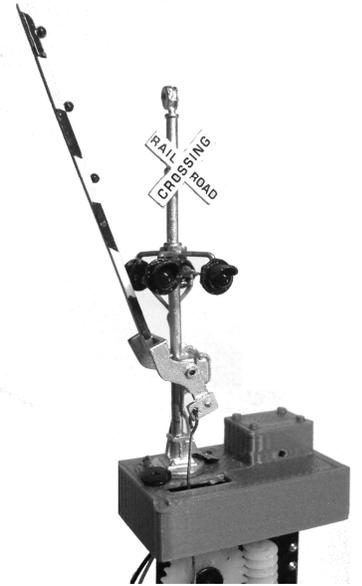
420 Mills St. Hinsdale, IL 60521 585-377-0925

assembled and tested in the USA

www.z-stuff.net

## DZ-1010HOv Crossing Gate smartSignal

Our patented signal with sensor and control combines an NJI scale HO signal along with our Infrared light source, sensors and controller to give prototypical operation with easy installation. Just cut a hole for the circuit board to drop through and connect two wires to power (9-18V AC or DC). When the train is next to the signal's sensor it will cause the gate arm to go down and the lights to start. Four seconds after the train passes the signal will stop flashing and the arm will go back up. The signal's YELLOW INPUT wire will also initiate a cycle if it is connected to the same point as the BLACK wire of the signal. So, connecting one of our DZ-1070HO sensors WHITE output to the YELLOW input will enable the DZ-1070HO to start the flashing and cause the arm to go down. It can be placed down track to cause the signal to start before the train reaches the crossing. Since the DZ-1010HO signal also has a WHITE OUTPUT wire, it can be connected to another DZ-1010HO's WHITE wire on the other side of the crossing. Then, both signals will start at the same time. To install signal, cut a large 1/2"x 1-1/8" hole for the circuit board, about 1-1/4" from the outside rail. When the signal is installed it should be about 3/4" from the outside rail.



### GATE ARM SPEED:

Arm speed can be set to FAST, MEDIUM or SLOW. Speed is set at power up. Hold YELLOW and WHITE wires together and turn on power. Gate lights will show arm speed - 1 light is medium speed, 2 lights is slow speed, no lights is fast speed. When the desired speed is indicated, separate the wires, the desired speed will be saved and used when crossing signal is powered.

Wire Color	Function
RED	9-18V AC or DC
BLACK	Common
YELLOW	INPUT - low input triggers
WHITE	OUTPUT - normal 5VDC/ goes LOW

