



Z-Stuff for Trains

assembled and tested in the USA

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www.z-stuff.net

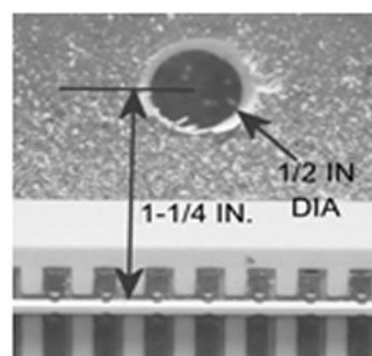
DZ-1020HO/Ns Crossing Signal

smartSignal

Our patented signal with sensor and control combines an NJI signal along with our Infrared light source and sensors to give prototypical operation with easy installation. Just drill 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 start flashing at the typical 80 flashes per minute. 6 seconds after the train passes the signal will stop flashing. 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-1070N Sensors WHITE output to the YELLOW input will enable the DZ-1070N to start the flashing. It can be placed down track to cause the signal to start before the train reaches the crossing. Since the DZ-1020N signal also has a WHITE OUTPUT wire, it can be connected to another DZ-1020N's WHITE wire on the other side of the crossing. Then, both signals will start flashing at the same time. To install signal, drill a 9/16" 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.

Sound Trigger Mode

The "s" version of the DZ-1020HO/N is capable of triggering the NEW DZ-1020B bell sound board with 8 ohm speaker. The input YELLOW wire of the DZ-1020B connects to the WHITE wire of the DZ-1020HO/N board.



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

