



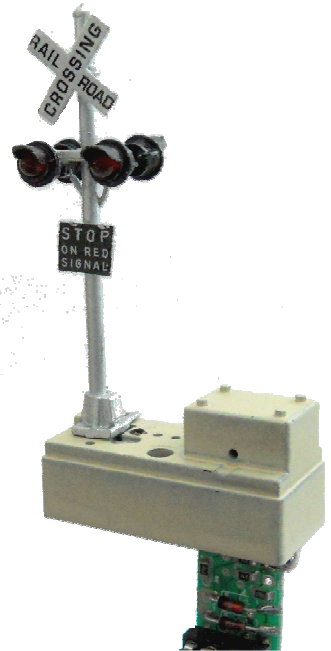
**Z-Stuff for Trains**

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

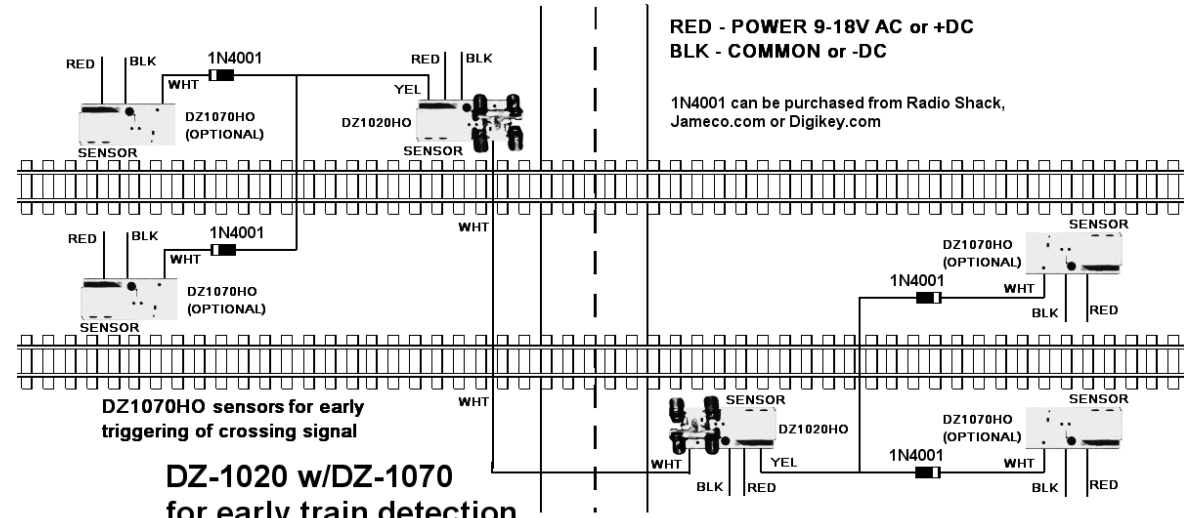
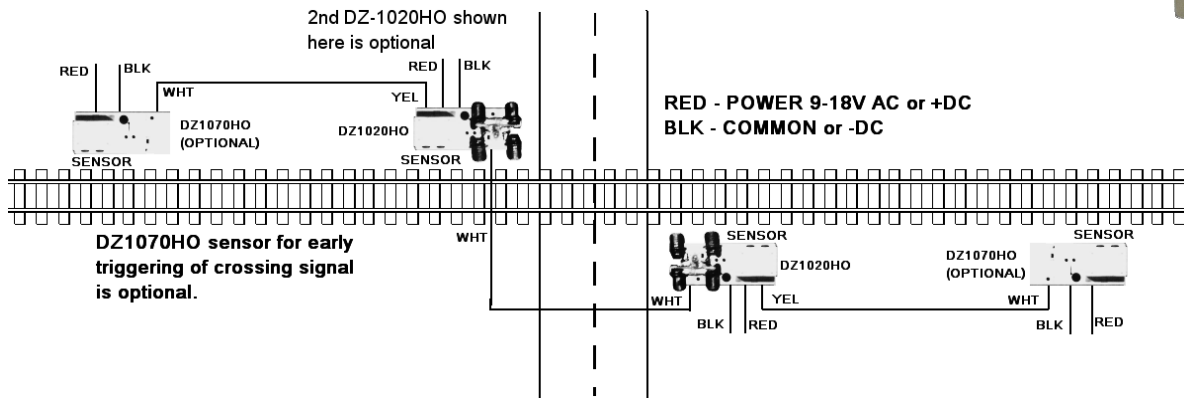
assembled and tested in the USA

www.z-stuff.net

# DZ-1020HO Crossing Signal smartSignal



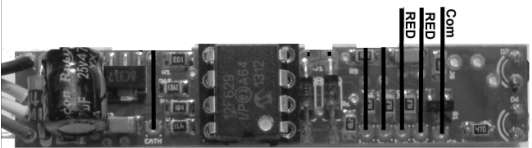
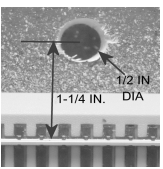
Our patented signal with sensor and control combines an NJI signal along with our Infrared light source and sensors to give prototypical operation with easy installation. Just drill a hole for the circuit board to drop through and connect two wires to power (9-18V AC or DC). When the train is next to 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-1070HO Sensors WHITE output to the YELLOW input will enable the DZ-1070HO 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-1020HO signal also has a WHITE OUTPUT wire, it can be connected to another DZ-1020HO'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 large 1/2" 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.



**DZ-1020 w/DZ-1070 for early train detection on two (2) tracks.**

Z-Stuff for Trains 8-7-14

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



**DZ-1020HO Crossing Signal \$54.00 without Signal \$38.00 (PCB & Base only)**