



**Construction:** The optodetector module is simply a matched pair of a phototransistor and infrared LED. It may be possible to remove them from the plastic and mount the LED and phototransistor next to each other in separate 3/16" holes, but so far we have drilled out the roadbed to accommodate the entire package. The module is connected to the board by a 4-conductor cable.

**Placement:** If possible, remove the track. Otherwise, a tie can be drilled or cut out. After testing the detector in place, carefully caulk the hole to hold the detector and hide the great void you've just created. Mix caulk colors to match the ballast. A toothpick or pencil works great to get the mixed caulk from your work surface to the hole. Painting the frame of the detector can't hurt if you've put it between ties, or the ties in the area are something other than black.

**NOTE:** Do not place this detector under an incandescent light! The infrared from the lamp will fool the detector into thinking there is always a train.