

HOW TO INSTALL ACCESSORIES

USING No.145C TRACK CONTACTOR

No. 145C Contactor is 'ON and OFF' electrical switch which is operated by the weight of a passing train. Normally, that is when there is no weight on the lever plate of the contactor, the switch is open, or OFF. When the lever plate is pressed down the switch is closed or ON.

Slide the contactor underneath the track so that one of the track ties fits over the lever plate of the contactor. The contactor can be placed either under a straight or a curved piece of track, but when placed under a curve the adjustment nut should be toward the center of the curve. The track tie should fit as close as possible to the adjustment nut.

If your layout is mounted on a board do not fasten the track down for several sections on either side of the contactor. The track must remain sufficiently flexible to bend under the weight of the train. For the same reason the contactor may not work too well if placed next to a switch.

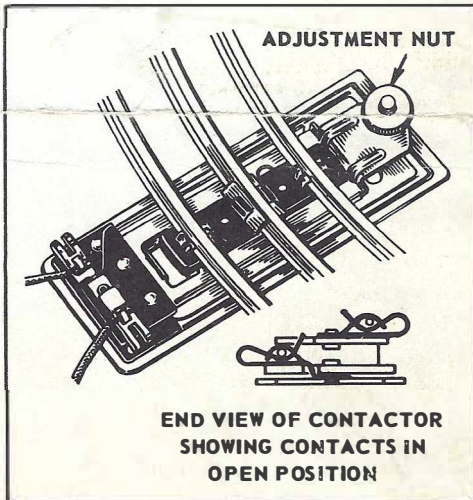


Figure 1---No. 145C Contactor in Position

The contactor has no electrical connections to the track itself; it acts only as a switch. After it is located in the layout it must be connected to the transformer and to the accessory which it operates. Connections are made by inserting bare ends of wires into the spring clips on either side of the contactor.

After the connections are made and the transformer current is on, the contactor must be adjusted so that the accessory will operate only at the proper time. First, stop the train several sections away from the contactor so that the train does not press on the contactor lever plate. Turn the adjustment nut either way until the accessory operates. Then back up the adjustment nut just enough to cause the contactor to open and the accessory to return to its normal non-

operating position. When adjusted in this way, the contactor should respond to a light finger pressure on the track, and the accessory will operate as long as any part of the train is passing on the track over the contactor.

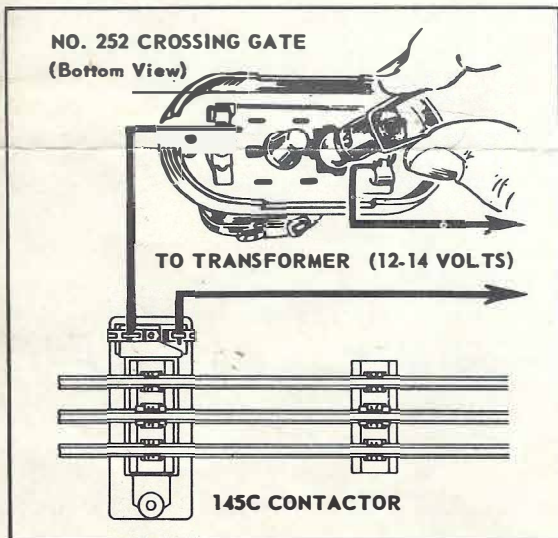
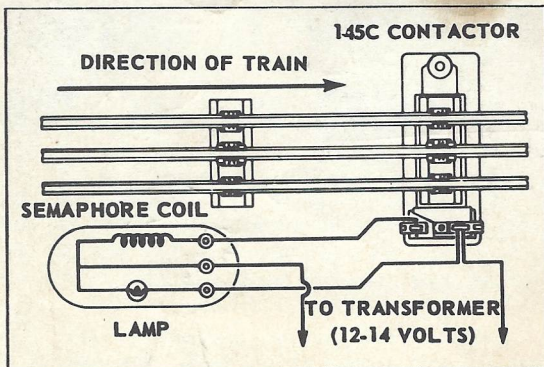


Figure 2---Connections for a No. 252 Crossing Gate. The bottom view of the Crossing Gate also shows how its illuminating lamp can be removed for replacement. The replacement lamp is L363, available at your dealer.

Figure 3--Connections for a No. 151 Semaphore. Note that the Semaphore, as well as other track signals, is usually placed on the right hand side of the track so that the locomotive engineer has a clear view of it from his cab. The replacement lamp for No. 151 Semaphore is L53.



Diagrams of four typical applications of No. 145C Contactor are shown in this instruction sheet, but it can be used as well for automatic operation of No. 125 Whistling Station, for automatic control of track switches, and in other ways that your ingenuity can suggest.

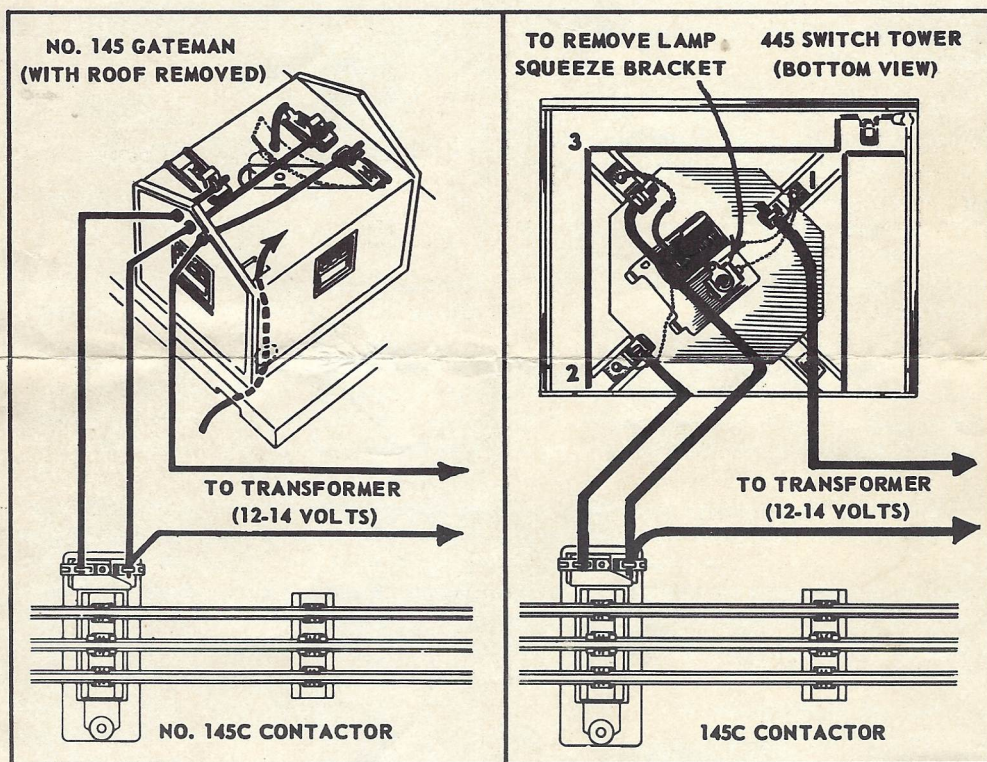


Figure 4--Connections for a No. 145 Gateman and a No. 445 Switch Tower. The connecting wires for the Gateman can be inserted into the shack through the openings in the rear wall, as in illustration, or through the opening in the base, as shown by arrow. To remove the lamp, the flexible lamp bracket is bent back as shown by dotted lines. The replacement lamp for both accessories is L363.

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