Lionel
Automatic Gateman
Owner’s Manual
Congratulations on your purchase of the Lionel Automatic Gateman! Place this accessory next to your mainline, and the gateman will emerge from his shed when the train passes by. You may also activate the accessory using the separate ON/OFF switch (included).

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The 153C Contactor is activated by the weight of a passing train. If you would like your trains to activate the accessory, place the Contactor under your traditional O or O-27 gauge track, as shown in Figure 1.

One of the track ties should rest firmly upon the top of the pressure plate. If your layout is fastened to a board, loosen several sections on either side of the Contactor so that the track is able to bend under the weight of the train.

**Note!** The 153C Contactor was designed for use with traditional O and O-27 gauge track only.

Figure 1. 153C Contactor
Your accessory operates best at 12-14 volts (AC). Have an adult strip 1/4" of insulation from both ends of the wires included with the accessory, if they have not already been stripped.

**Caution!** Only an adult should perform this task. Always use care when stripping wires.

Connect one wire to each spring clip terminal under the roof. Attach the other ends to the #153C Contactor and lockon or transformer as shown in Figure 2 below. Alternately, you may connect the three accessory terminals directly to a power supply and the separate switch (included) for operation of the accessory using the switch. This is illustrated in Figure 5 on page 8.

To connect the wires to the spring clips, press down the upper half of the spring clip terminal until the lower loop projects through the slot. Insert the bare wire end into the loop, then release the upper part of the clip. Spring tension will hold the wire tight.

**Note!** The 153C Contactor is not compatible with the FasTrack track system.

![Figure 2. Accessory connection](image-url)
Adjusting the 153C Contactor

After all the connections are made and your layout is powered up, the Contactor must be adjusted so that the train will properly trigger the accessory.

1. Power up your layout.
2. Stop the train several sections away from the Contactor so that it does not press on the Contactor plate.
3. Turn the adjustment nut either up or down until the accessory is triggered. Refer to Figure 1 on page 3 for the location of the adjustment nut.
4. Back up the adjustment nut just enough to cause the accessory to turn off.

Operating the accessory with the 153C Contactor

When properly adjusted, the 153C Contactor will respond to light finger pressure on the track. Power up your accessory, and the interior lights will illuminate. The gateman will emerge from his shed when the train triggers the 153C Contactor.
Wiring and operating your accessory using FasTrack

When you power up your accessory, the interior lights will illuminate. The gateman will emerge from his shed when the train passes through the FasTrack Accessory Activator Pack.

Because track power and the power demands placed on your transformer can vary, you may want to use a separate power supply that has been set to a fixed voltage. While the power for the accessory is no longer shared with the track, the Accessory Activator Pack will turn on your accessory. Refer to Figure 3.

1. Remove the wire with the RED quick connector sleeve that is attached to the connector tab for the center rail (power) on the underside of the Insulated Track section.
2. Slide the RED quick connector sleeve over the open connector tab underneath the outer rail (ground) of the Insulated Track Section.
3. Connect the other ends of the Insulated Track section wire to the terminals on your accessory as shown.

Figure 3. FasTrack connection using fixed voltage
Wiring and operating your accessory using FasTrack (continued)

**Note!** See Figure 4 below for wiring your accessory using the 6-12029 FasTrack Accessory Activator Pack and the 6-12053 FasTrack Accessory Power Wire.

Figure 4. FasTrack connection using track power
Connecting your accessory to a 153IR Controller

The 153IR Controller (available separately, 6-14111) is an alternative to the 153C Contactor. While the 153C Contactor relies on the weight of the train to activate the accessory, the 153IR Controller is triggered by an infrared motion sensor. The 153IR also allows you to set the length of time that the accessory remains on. Consult the 153IR Controller’s owner’s manual for more information. Refer to Figure 6 below.

Wiring and operating your accessory using the alternate switch connection

Power up your accessory, and the interior lights will illuminate. Slide the switch to the ON position, and the gateman will emerge from this shed. Turn the switch to the OFF position and the gateman goes back inside. See Figure 5 below.

Figure 5. Alternative switch connection

Connecting your accessory to a 153IR Controller

The 153IR Controller (available separately, 6-14111) is an alternative to the 153C Contactor. While the 153C Contactor relies on the weight of the train to activate the accessory, the 153IR Controller is triggered by an infrared motion sensor. The 153IR also allows you to set the length of time that the accessory remains on. Consult the 153IR Controller’s owner’s manual for more information. Refer to Figure 6 below.

Figure 6. 153IR connections
Operating the accessory using TrainMaster Command Control

You may choose to operate the accessory in the TrainMaster Command Control environment using an SC-2 Switch and Accessory Controller (available separately, 6-22980) or an Accessory Switch Controller (available separately, 6-14182). Connect the accessory as illustrated in Figures 7 and 8.

![Figure 7. SC-2 connections](image)

**Note!** Assign an accessory ID# to the SC-2 for the Automatic Gateman. Refer to the SC-2 instruction manual for more detailed information.

Follow these steps to operate the Automatic Gateman

1. On the CAB-1 Remote Controller, press ACC and then press the ID#. Press and hold **AUX1** and the Gateman will come out for as long as you hold the button down.

2. On the CAB-1 Remote Controller, press **AUX2** to turn on the lights. Press **AUX2** again to turn off the lights.

**Note!** If you hold down the button for an excessive amount of time, you could damage the accessory.
Operating the accessory using TrainMaster Command Control  
(continued)

The Automatic Gateman requires two ASC outputs and Accessory ID#'s. Refer to the Accessory Switch Controller instruction manual for more detailed information.

Follow these steps to operate the Automatic Gateman

1. On the CAB-1 Remote Controller, press ACC and then press the first assigned ID#. Press and hold AUX1 and the gateman will come out for as long as your hold the button down.

2. On the CAB-1 Remote Controller, press ACC and then press the second assigned ID#. Press AUX2 to turn on the lights. Press AUX2 again to turn off the lights.
Replacing the lamp

Your accessory is illuminated by one lamp, Lionel part no. 600-8352-311. During the course of normal operations, you may find that this lamp requires replacement. Replacement lamps are available at your authorized Lionel Service Center or from Lionel Service in Chesterfield, MI.

1. Lift away the roof.

2. As illustrated in Figure 9, push the socket down into the shed. Slide the wires through the channel, then lift the socket through the larger hole.

3. Replace the expired lamp.

4. Insert the socket into the large hole, then guide the wires through the channel. Pull the wires up through the smaller hole until the socket is in position.

Figure 9. Lamp replacement
Limited Warranty/Lionel Service

This Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, except for light bulbs, is warranted to the original consumer-purchaser, for one year against original defects in materials or workmanship when purchased through an authorized Lionel merchant.

This warranty does NOT cover normal wear and tear, light bulbs, defects appearing in the course of commercial use, or damage resulting from abuse or misuse of the product by the purchaser. Transfer of this product by the original consumer-purchaser to another person voids this warranty. Modification of this product voids this warranty.

Any warranted product which is defective in original materials or workmanship and is delivered by the original consumer-purchaser to Lionel L.L.C. or an authorized Lionel L.L.C. Service Center, together with proof of original purchase will, at the option of Lionel L.L.C., be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a replacement is not available, a refund of the original purchase price will be granted. Any products on which warranty service is sought must be sent freight or postage prepaid, as transportation and shipping charges are not covered by the warranty.

In no event shall Lionel L.L.C. be liable for incidental or consequential damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Instructions for Obtaining Service

If service for this Lionel L.L.C. product is required, bring the item, along with your dated sales receipt and completed warranty information to the nearest Authorized Lionel Service Center. Your nearest Lionel Service Center can be found by calling 1-800-4-Lionel, or by accessing our Website at www.lionel.com.

If you prefer to send your product back to Lionel L.L.C. for repair in Michigan, you must first call 586-949-4100 or FAX 586-949-5429, or write to Customer Service, P.O. Box 748, New Baltimore, MI 48047-0748, stating what the item is, when it was purchased and what seems to be the problem. You will be sent a return authorization letter and label to ensure your merchandise will be properly handled upon receipt.

Once you have received your return authorization and label, make sure that the item is packed to prevent damage during shipping and handling. We suggest that you use the product’s original packaging. This shipment must be prepaid and we recommend that it be insured.

Please make sure you have followed all of the above instructions carefully before returning any merchandise for service. You may choose to have your product repaired by one of our Authorized Lionel Service Centers after its warranty has expired. A reasonable service fee will be charged.

Warranty Information

Please complete the information below and keep it, along with your dated sales receipt. You must present this and your dated sales receipt when requesting warranty service.

Name

Address

Place of Purchase

Date of Purchase

Product Number

Product Description