



Remote Turnout Assembly Instructions

A three-wire green cable with plug is attached to the track section. Insert the plug end of the green cable into the turnout controller. A two-wire red cable with plug is supplied for power connection. Insert the plug end of the red cable into the turnout controller. Next, attach spade connectors to AC accessory terminals of your power pack. Connection to a Bachmann Power Pack (Item No. 44212) is shown; insert one prong of a spade connector into each terminal. Connection to other brands of power packs may vary. Refer to your power pack manufacturer's instructions for details. **DO NOT CONNECT TO DC TERMINALS, AS THIS WILL OVERLOAD YOUR ACCESSORY ITEM.**

Controller Operation

If your turnout is equipped with switch type A (see top right of illustration), set the desired path of travel by sliding the turnout controller button left or right. To activate the switch, press and release the button quickly. **PRESSING AND HOLDING THE BUTTON FOR LONGER THAN ONE SECOND WILL DAMAGE THE TURNOUT CONTROLLER MOTOR.**

If your turnout is equipped with switch type B (see top left of illustration), simultaneously set the desired path of travel and activate the switch simply by sliding the turnout controller button left or right.

If turnout operation (direction) does not match the position indicated by the turnout controller button, disconnect the green cable from the controller, flip the plug, then reconnect.

Operating Multiple Turnout Controllers

After making connections as indicated in turnout assembly instructions listed above, additional controllers for other turnouts on your layout can be added in series. Simply push turnout controllers together as shown in the illustration. No additional power (red cable) connections are required, but be sure to connect each three-wire green cable to the appropriate turnout controller.

Powering the Frog

Recommended for analog operation ONLY. NOT recommended for DCC operation as a short circuit may occur when operating in DCC that could damage your locomotive. In railroading terms, the circled area (C) indicated in the drawing above is called a "frog." The frog on this turnout may be plastic (tie colored) or metal (rail colored). If it is metal, you may choose to power it to help locomotives with short wheelbases travel more smoothly through the turnout (locomotives with medium to long wheelbases can travel through an unpowered frog without hesitation). To power a metal frog, make the one-wire power connection as shown in photo below. Please note that this power connection is not possible with plastic frogs, and that it only facilitates smoother operation of locomotives with shorter wheelbases. The turnout itself will operate correctly whether or not the frog is powered. **If you notice a short circuit on your railroad after the frog is powered, disconnect the three-wire green cable from the direction switch, flip the plug 180 degrees, and reconnect to the direction switch.**

