

This Black & White Construction Drawing Set includes the following:

1. 8-1/2" x 11" Assembly Booklet No. P1651:
 - Approximately 40 pages of **step-by-step instructions** for assembly, to guide you through the 11"x17" drawings.
2. 11" x 17" Construction Sheets:
 - Sheet 01 "Cover Sheet"
 - Sheet 02 "Photographs"
 - Sheet 04 "#1652 Track Unit Dimensions & Parts"
 - Sheet 05 "Track Unit Wiring"
 - Sheet 07 "Parts List & Costs-Control Unit"
 - Sheet 08 "Parts List & Costs-Track Unit"
 - Sheet 09 " #1651 Control Unit—Full Size Layout" (Template)

Please ignore any references to obsolete Colorado phones and addresses. Contact info is at track2.com, as of 6/2006.

3. 11" x 17" Interface and Operating Sheets:
 - Sheet 12 "Schematic and Logic Diagram"
 - Sheet 13 "Test Wiring"
 - Sheet 14 "Track Preparation"
 - Sheet 15 "Control Unit Cable Connections"
 - Sheet 16 "Initial Conditions"
 - Sheet 21 "Spec Sheet for Target Signal"
 - Sheet 22 "Spec Sheet for Building Dimensions"
 - Sheet 34 "Ref for Expansion-Layout for 4-Track Zellner Yard"

The following copies are included in color:

- Sheet 05 "Track Unit Wiring"
- Sheet 09 "#1651 Main Control Unit—Full Size Layout" (Template)
- Template—PLASTIC-LAMINATED Color copy of above Sheet 09 (you glue this to a wood base and it becomes part of the final assembly)

Model 165

2 - Track Automatic Switching Block (G scale)

Construction Drawing Set

Part No. D1651

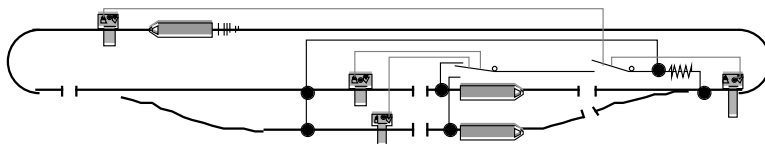
(for use with included Assembly Booklet No. P1651)

Summary: This basic drawing set is used to build the basic Model 165 2-track Automatic Switching Block.


It contains plans for the Main Control Unit (#1651) and the 2-track track unit (#1652).

(Later, if you choose to, you can use the Zellner Yard Expansion Drawing Set to expand this system to a 4-track Zellner Yard. The Zellner Yard Expansion Drawing Set (Part No. D1653) contains plans for the Helper Control Unit (#1653) and the 4-track track unit (#1654).

You can read page 4.1 in the Assembly Booklet for more information about Zellner Yard).



— **Ingram Autocontrols** —
'U_BLD_M' Drawing Series

MES R. INGRAM 570-477-2520 1738 EAST 3RD ST, #357 WILLIAMSPORT PA 17701-3868	 —Ingram Autocontrols—	TITLE MODEL 165 AUTOMATIC SWITCHING BLOCK		01
		DWG SERIES D8811-165	ORIG 01FEB94 REV G, 01SEP95	

(COVER SHEET REVISED 5/12/96)