

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)
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"

Please ignore any references to obsolete Colorado phones and addresses. Contact info is at [track2.com](http://track2.com), as of 6/2006.

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)

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### Construction Drawing Set

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**Part No. D1651**

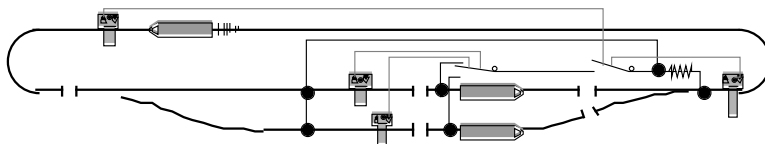
(for use with included Assembly Booklet No. P1651)

**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**

<b>MES R. INGRAM</b> 570-477-2520 <small>1996</small>	1738 EAST 3RD ST, #357 WILLIAMSPORT PA 17701-3868 <small>SCALE 1"=1" (11"X17") UNLESS NOTED</small>	 —Ingram Autocontrols—	TITLE MODEL 165 AUTOMATIC SWITCHING BLOCK		<b>01</b> <small>SH.</small>
			DWG SERIES <b>D8811-165</b>	ORIG 01FEB94    REV G, <b>01SEP95</b> COVER SHEET	

(COVER SHEET REVISED 5/12/96)