



On/Off Block B4

STRAIGHT Slowdown Block B3 Fig 16e—Initial Conditions For 3 Train Operation —

T3

Normal Automatic Switching Block Operation

The is the normal automatic switching block mode.

- Verify the power-on indicator light is lighted.
 Set toggle switch K1 to the UP (switching on) position.
 Set toggle switch K2 to the UP (block on) position.
- Push arm of motor M2 on the control unit to LEFT (power connection to mainline)
- Initialize control unit to RED by pushing arm of motor M3 to rear.
- Adjust rheostat R1 to maximum clockwise FAST position.
- Set track switch S1 to STRAIGHT.
- Verify engines have type 17010 magnets on the bottoms.
- · Place 3 engines on the track in the positions shown by Engines A, B, and C in the above figure.
- Turn on the DC track power. The trains should operate as described in the Logic Diagram Figure 12e.

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(SWITCHING ON)

M2

SWITCHING

K1 UP

0

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K2 UP

(BLOCKING ON)

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- Once the system has settled to a steady state operation, adjust the rheostat R1 for optimum speeds in the slowdown blocks.
- Adjust the position of track contract T2. Moving it further counter-clockwise around the loop will result in the engines 'parked" on the on/off blocks sitting for a longer amount of time

Notes:

SWITCH 'S1'

- Mount the magnets on the REAR of the engines. If engines are double-headed, mount the magnet on the rear of the rear engine.
- If engines are double-headed, you should electrically connect them together with wires so they will move completely onto the stop (on/off) block as one electrical unit. Without the wire to electrically connect them, often the forward unit stops on the dead on/off block while the rear unit sits on the slowdown block spinning its wheels.

Summary: This sheet shows how to position the trains and relay switches to start the system up.

Note that Fig. 16e is the normal 3-train operation. The other figures show special "reduced-function" modes of operation for 2 trains and 1 train.

JAMES R. INGRAM	7931 SO. BROADWAY, STE. 331 LITTLETON CO 80122-2710		TITLE MODEL 165 AUTOMATIC SWITCHING BLOCK				4	^
303-798-1968			DWG SERIES	ORIG 21SEP94	rev G, 01SEP95		n	
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