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TECHNICAL BULLETIN – TB-200

MODEL 40 SWITCHES AND PUSHBUTTONS

OPERATION OF ALTERNATE ACTION SWITCHES

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Purpose:

The purpose of this technical bulletin is to provide information on the operation of a Model 40 alternate action pushbutton switch.

Please observe the following instructions carefully. These instructions apply to pushbutton switches configured as either individual mount units or matrix mount units.

Procedure:

1. Some alternate action switches have a latchdown action to give a physical indication of the switch state. When the switch contacts are in the open state and the pushbutton is depressed the switch contacts will move to the closed state. The position of the pushbutton in the closed state will be mechanically held at a lower height of about .30 inches.
2. Terminal 5, 8, 11, and 14 in Figure 1 are the common connections. In Figure 2, the switch commons are normally closed in this position and are connected to circuits 6, 9, 12, and 15 respectively. Circuits 7, 10, 13, and 16 are left open.
3. When the switch is depressed, the wiper of the switch is moved to the opposite position. In this position, circuits 6, 9, 12, and 15 are open while the switch commons are connected to circuits 7, 10, 13, and 16.
4. Note there is no center-off feature. The commons must be connected to either terminals 6, 9, 12, and 15 or to terminals 7, 10, 13, and 16.

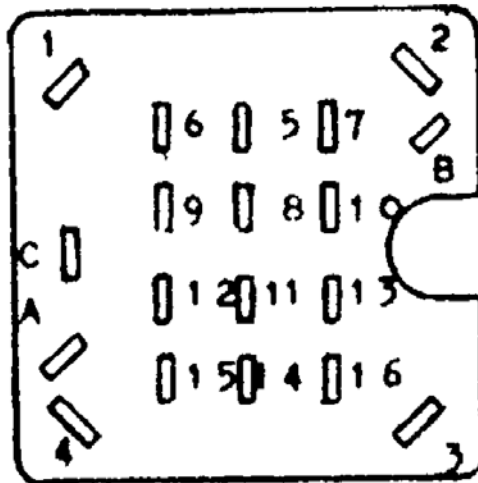
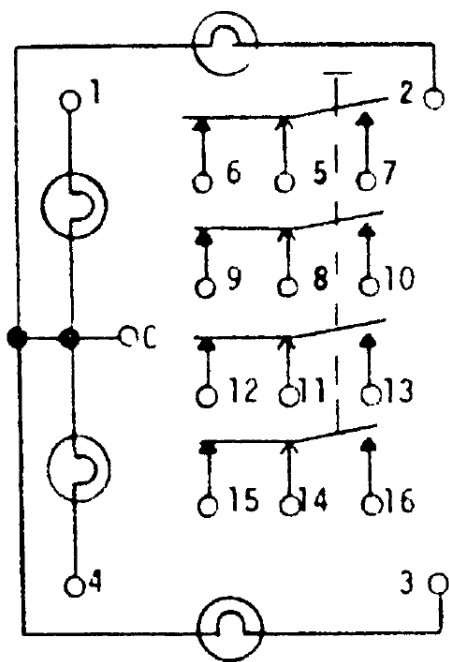
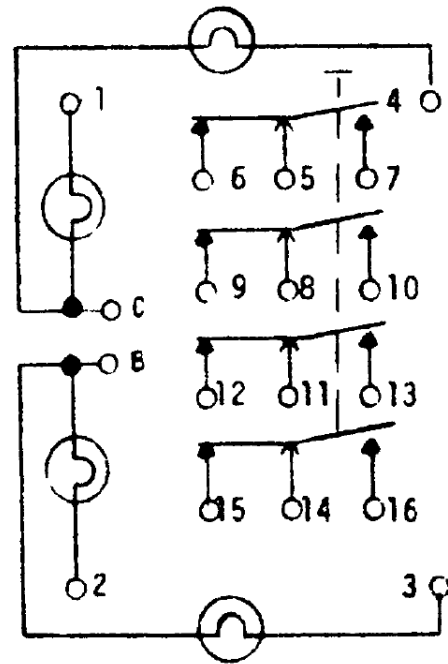


Figure 1. Terminal Arrangement

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08 = 4PDT Common-Lamp Ground (shown)
 07 = 2PDT Common-Lamp Ground



10 = 4PDT Split-Lamp Ground (shown)
 09 = 2PDT Split-Lamp Ground

Delete pins 8 thru 13 for 2PDT configuration
 Delete pins 5 thru 16 for indicator configuration

Figure 2. Schematic

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