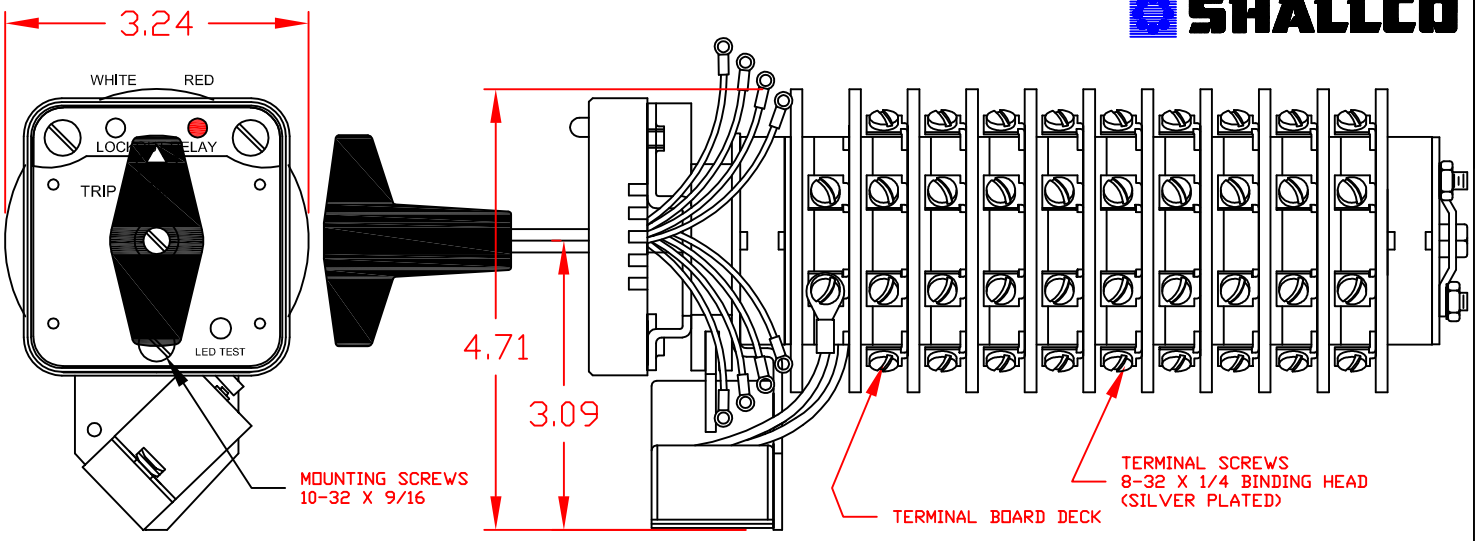


SPECIFICATIONS:
NO. OF POSITIONS: 2, TRIP AND RESET
NO. OF SECTIONS: 8
CONTACTS: 2 NORMALLY OPEN
2 NORMALLY CLOSED PER DECK
ACTION: 45° POSITIVE TRIP DETENT
STATIONARY CONTACTS : SILVER OVER COPPER
NAMEPLATE: AS SHOWN WITH PUSH TO TEST BUTTON TO ASSURE LED INTEGRITY

COIL SPECIFICATIONS:
OPERATING VOLTAGE: 125 VDC
THRESHOLD VOLTAGE: 16 VDC
OPERATING RANGE: 30 - 140 VDC
CURRENT AT RATED VOLTAGE: 4.6

ELECTRICAL RATINGS:
25A/120 VAC
15A/600 VAC
20A/600 VAC (RESISTIVE)
3A/125 VDC
1A/250 VDC

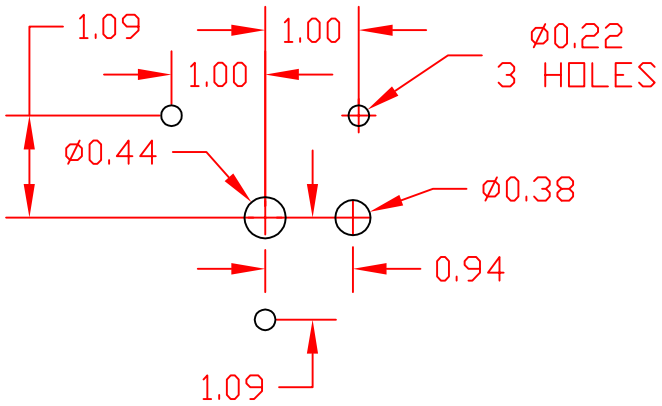
OVERLOAD CURRENT
(50 OPERATIONS):
95 A/120 VAC
65 A/240 VAC
35 A/600 VAC

DIELECTRIC STRENGTH:
2200 VRMS

INSULATION RESISTANCE:
100 MEGOHMS INITIAL

CONTACT RESISTANCE:
10 MILLIOHMS MAX. INITIAL

MOUNTING HOLE DETAIL



DECK	CONTACTS	POSITION TRIP	POSITION RESET
1	11 — 13		X
	12 — 18	X	
	15 — 17		X
	16 — 14	X	
2	21 — 23		X
	22 — 28	X	
	25 — 27		X
	26 — 24	X	
3	31 — 33		X
	32 — 38	X	
	35 — 37		X
	36 — 34	X	
4	41 — 43		X
	42 — 48	X	
	45 — 47		X
	46 — 44	X	
5	51 — 53		X
	52 — 58	X	
	55 — 57		X
	56 — 54	X	
6	61 — 63		X
	62 — 68	X	
	65 — 67		X
	66 — 64	X	
7	71 — 73		X
	72 — 78	X	
	75 — 77		X
	76 — 74	X	
8	81 — 83		X
	82 — 88	X	
	85 — 87		X
	86 — 84	X	

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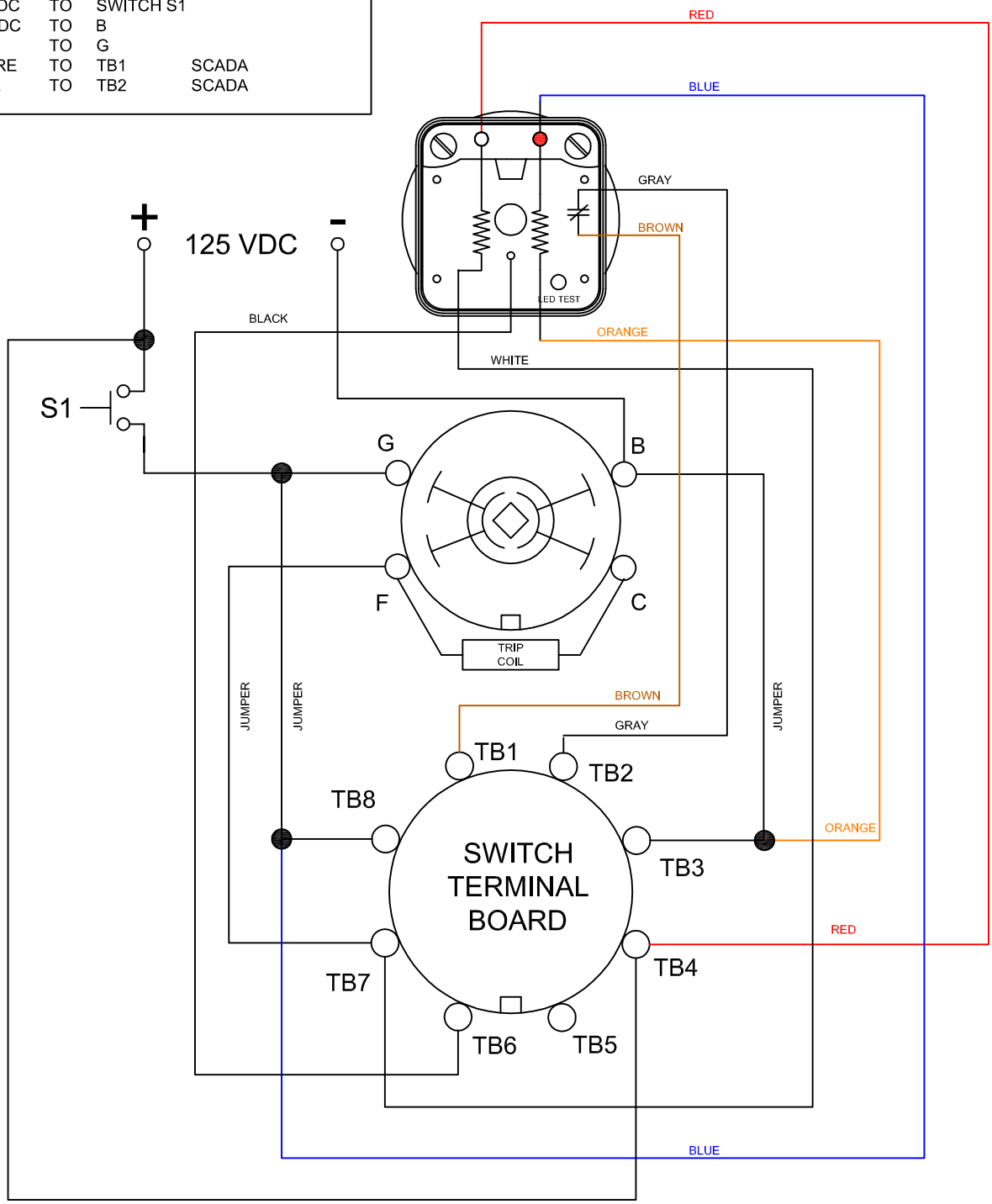
CUSTOMER REFERENCE:: TERMINAL SCREW TIGHTENING TORQUE: : 8 IN-LBS.

WIRING			NOTES
G	TO	TB8	JUMPER (DK TO DK)
F	TO	TB7	JUMPER (DK TO DK)
B	TO	TB3	JUMPER (DK TO DK)
BLUE WIRE	TO	TB8	
WHTE WIRE	TO	TB7	
RED WIRE	TO	TB4	
ORANGE WIRE	TO	TB3	
BLACK WIRE	TO	TB 6	
+125 VOLT DC	TO	TB4	
+125 VOLT DC	TO	SWITCH S1	
- 125 VOLT DC	TO	B	
SWITCH S1	TO	G	
BROWN WIRE	TO	TB1	SCADA
GRAY WIRE	TO	TB2	SCADA



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LOCK-OUT RELAYS (LOR)

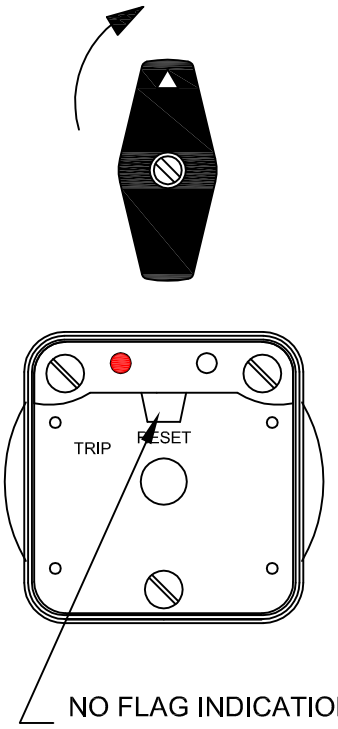
GENERAL OPERATION:

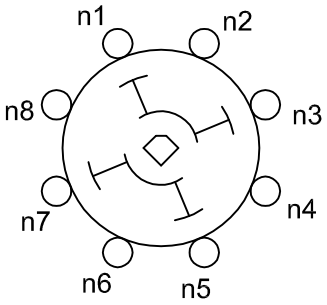
THE HANDLE OF THE LOR MUST BE MANUALLY ROTATED CLOCKWISE TO PLACE THE UNIT IN THE "RESET" POSITION (SEE FIGURE A)

CONDITION #1	
ROTOR	RESET (AS SHOWN)
SWITCH 1 (S1)	OPEN

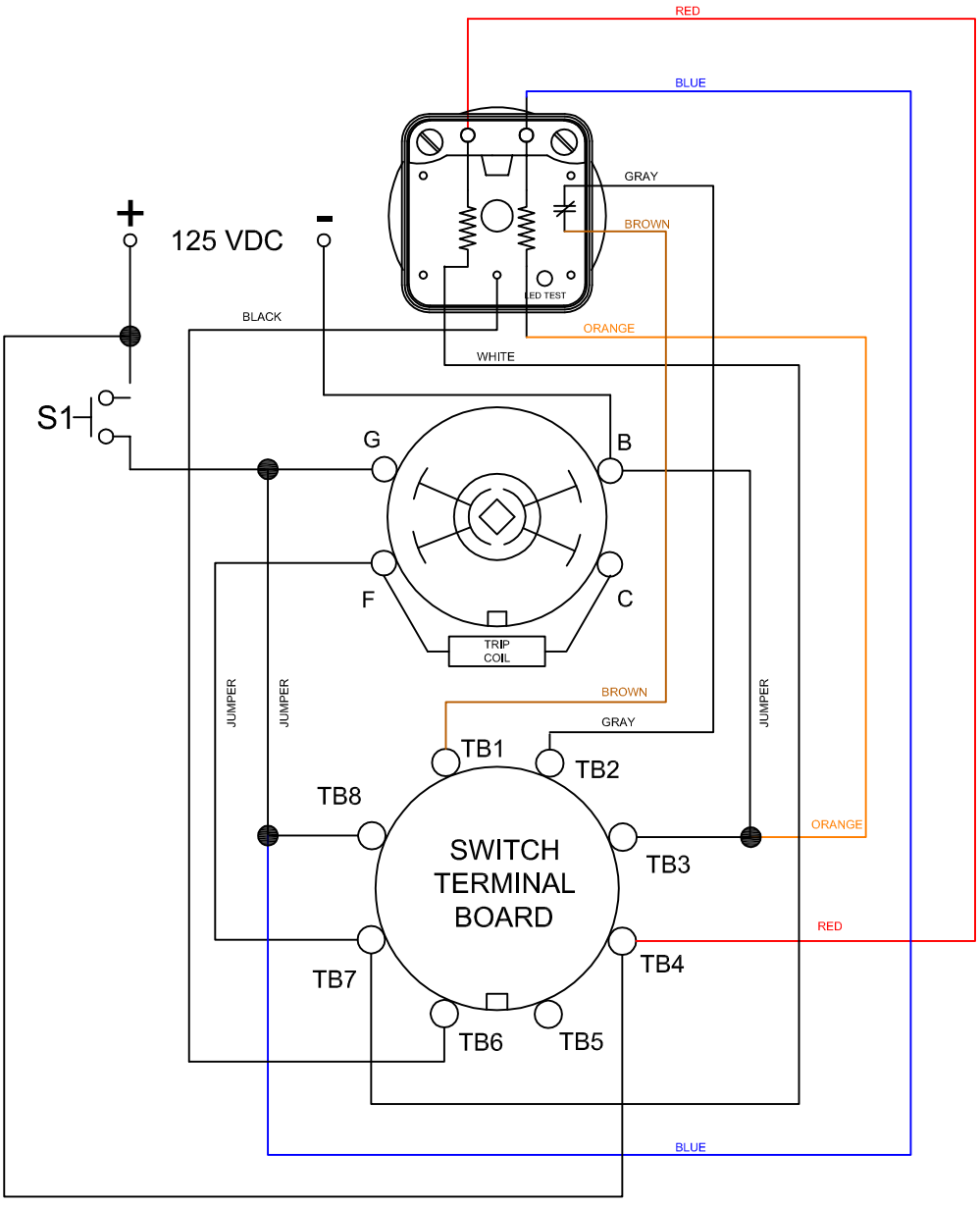
RESULT		BY PRESSING THE **LED TEST** BUTTON, BOTH THE LEFT AND RIGHT LED WILL ILLUMINATE UNTIL RELEASING THE BUTTON
LEFT LED	ON	
RIGHT LED	OFF	
SCADA CIRCUIT TRIP COIL MONITOR)	OPEN	

FIGURE A - RESET POSITION





CONTACT DECK(S)



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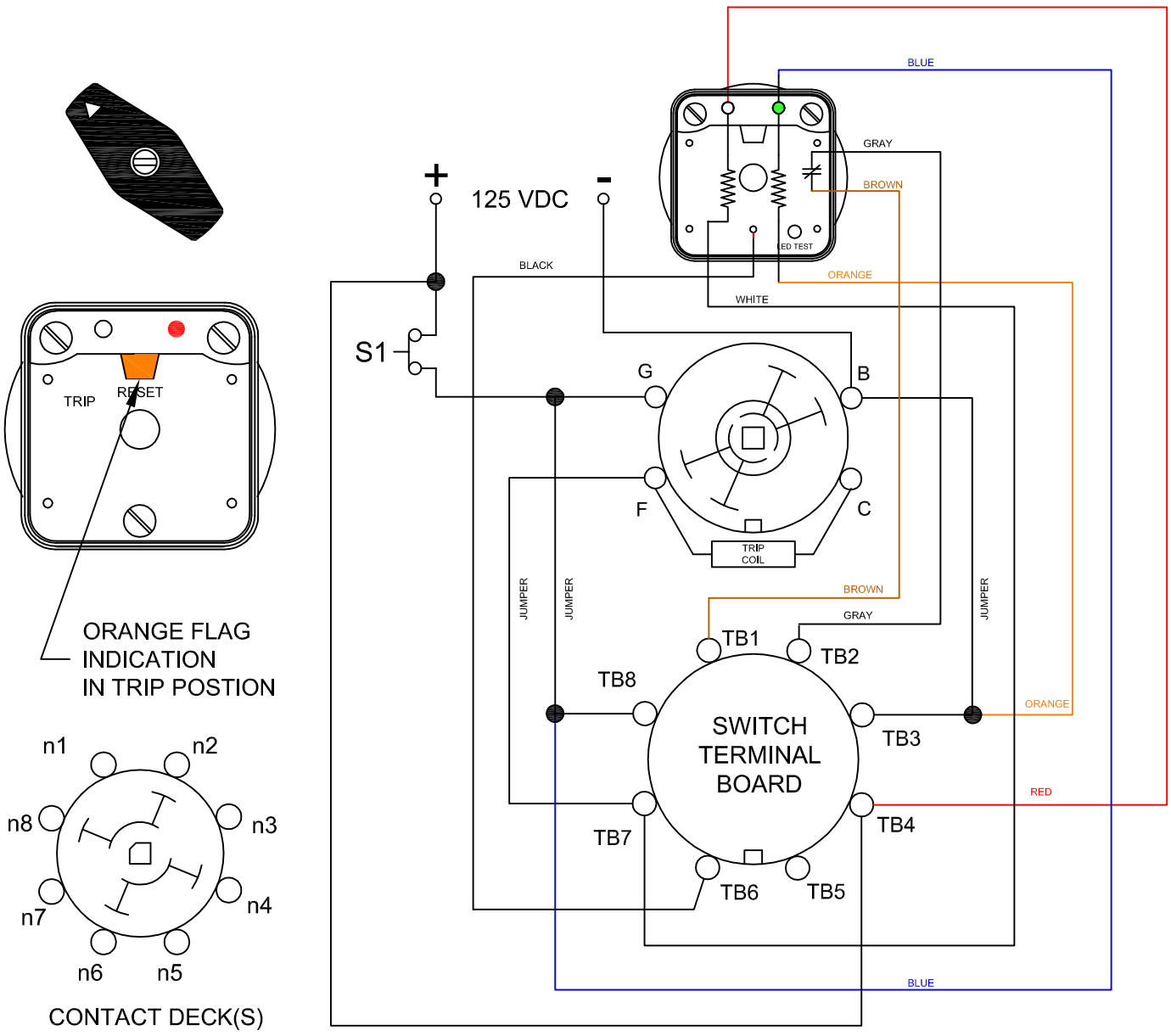
CONDITION #2	
ROTOR	TRIPPED (AS SHOWN)
SWITCH 1 (S1)	CLOSED

RESULT		BY PRESSING THE **LED TEST** BUTTON, BOTH THE LEFT AND RIGHT LED WILL ILLUMINATE UNTIL RELEASING THE BUTTON
LEFT LED	OFF	
RIGHT LED	ON	
SCADA SWITCH	CLOSED	

WHEN S1 CLOSES, THE COIL CAUSES A MECHANICAL ROTATION OF THE RELAY
RESULTING IN THE SWITCH ROTOR ADVANCE TO THE "TRIP" POSITION SHOWN

FIGURE B - TRIP POSITION



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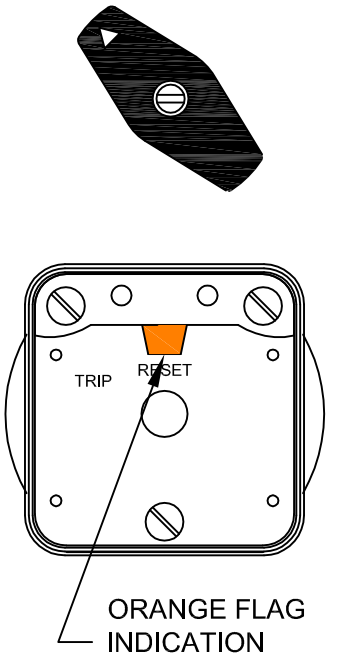
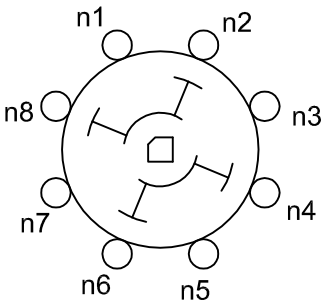
CONDITION #2	
ROTOR	RESET (AS SHOWN)
SWITCH 1 (S1)	OPEN

RESULT		
LEFT LED	OFF	BY PRESSING THE **LED TEST** BUTTON, BOTH THE LEFT AND RIGHT LED WILL ILLUMINATE UNTIL RELEASING THE BUTTON
RIGHT LED	OFF	
SCADA SWITCH	CLOSED	

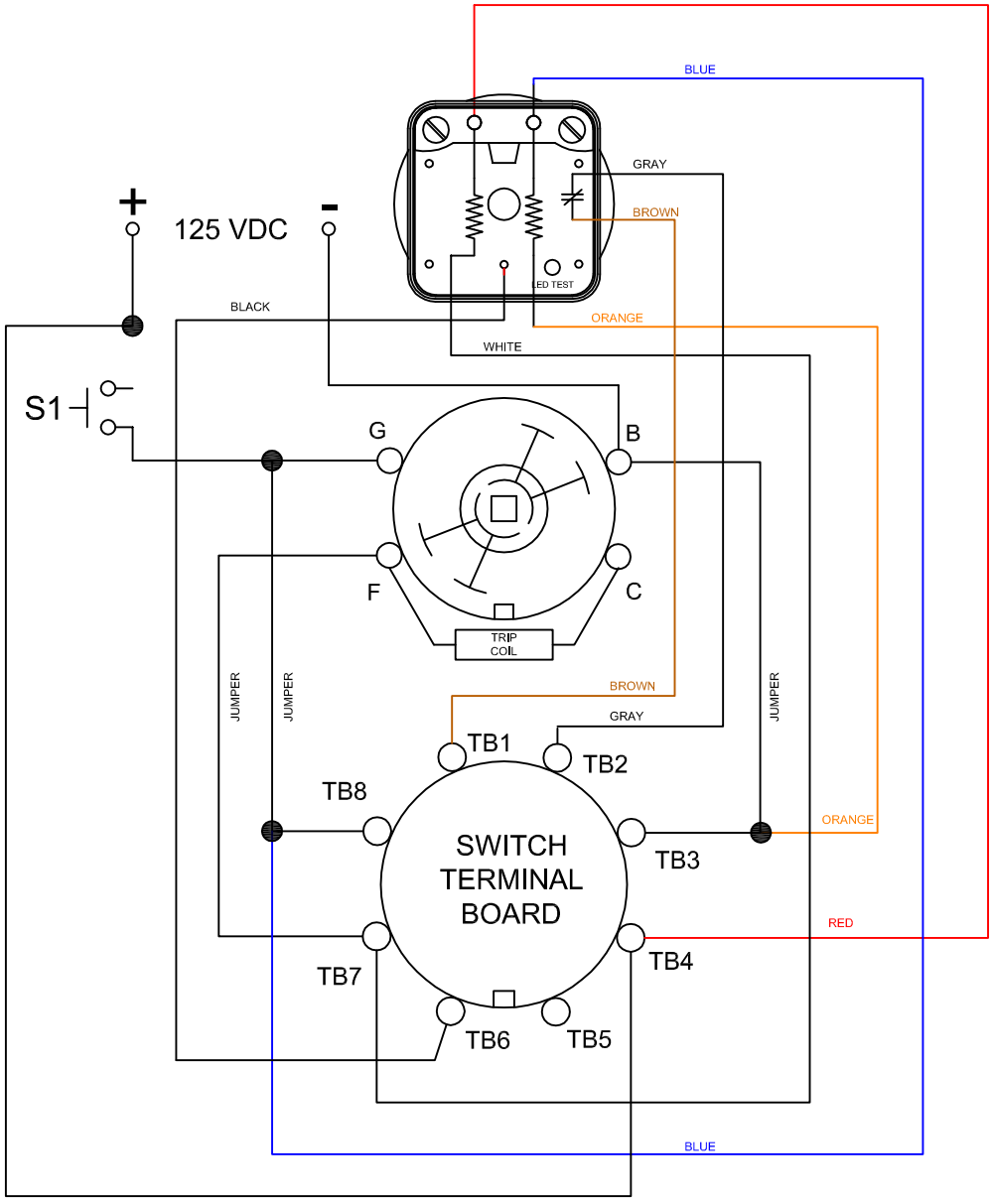
WHEN S1 RE-OPENS, THE SCADA CIRCUIT WILL REMAIN CLOSED UNTIL THE LOR IS ROTATED BACK INTO THE RESET POSITION.

FIGURE B - TRIP POSITION





CONTACT DECK(S)



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