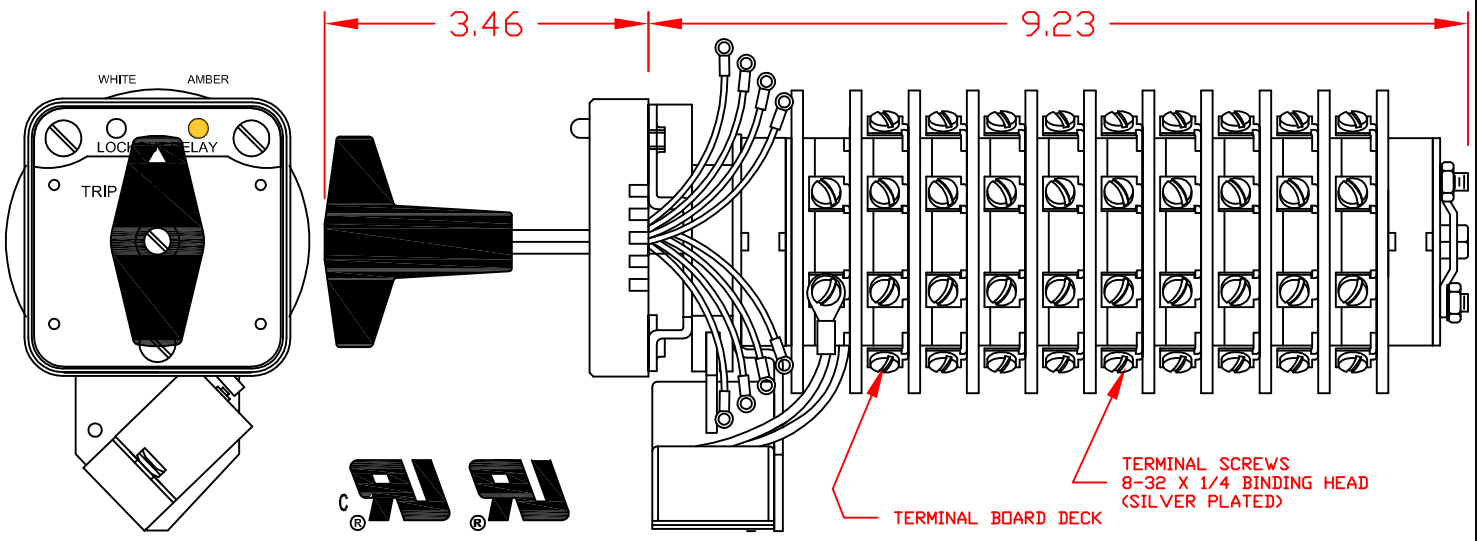
7608D 125VDCDXB

SHALLCO



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

COIL SPECIFICATIONS:
OPERATING VOLTAGE: 125 VDC / 120 VAC
THRESHOLD VOLTAGE: 16 VDC / 20 VAC
OPERATING RANGE: 30 - 140 VDC / 30 - 140 VAC
CURRENT AT RATED VOLTAGE: 4.6 / 4.4 AMPS

ELECTRICAL RATINGS:
25 A/120 VAC 3 A/ 125 VDC
15 A/240 VAC 1 A/ 250 VDC
6 A/600 VAC

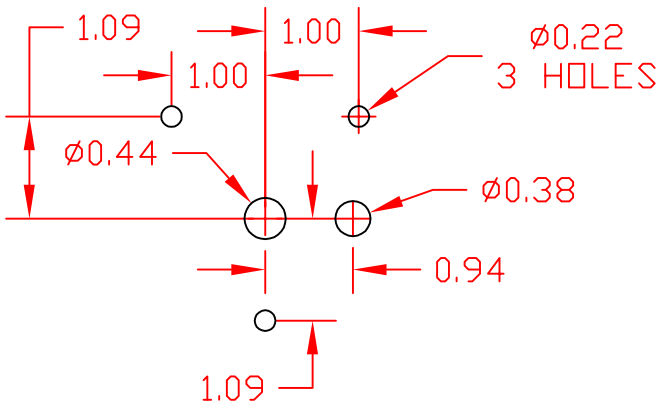
OVERLOAD CURRENT
(50 OPERATIONS):
95 A/120 VAC
65 A/240 VAC
35 A/600 VAC

DIELECTRIC STRENGTH:
2200 VRMS

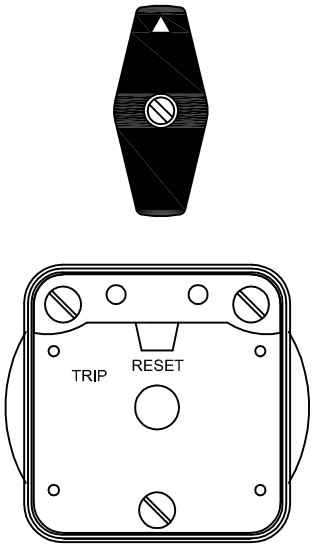
INSULATION RESISTANCE:
100 MEGOHMS INITIAL

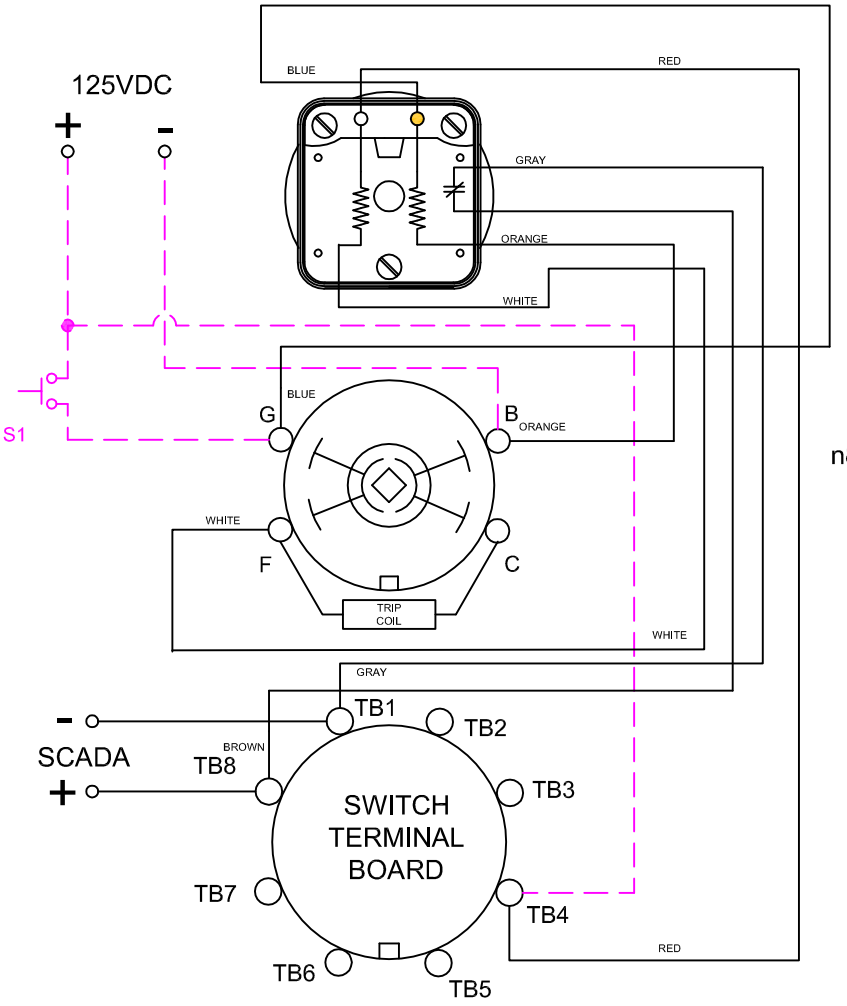
CONTACT RESISTANCE:
10 MILLIOHMS MAX. INITIAL

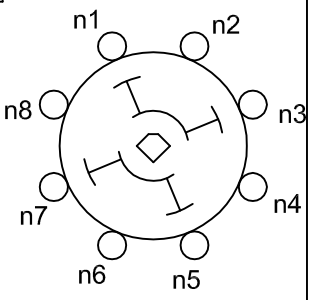
MOUNTING HOLE DETAIL



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	







CONTACT DECK(S)

LED INDICATION

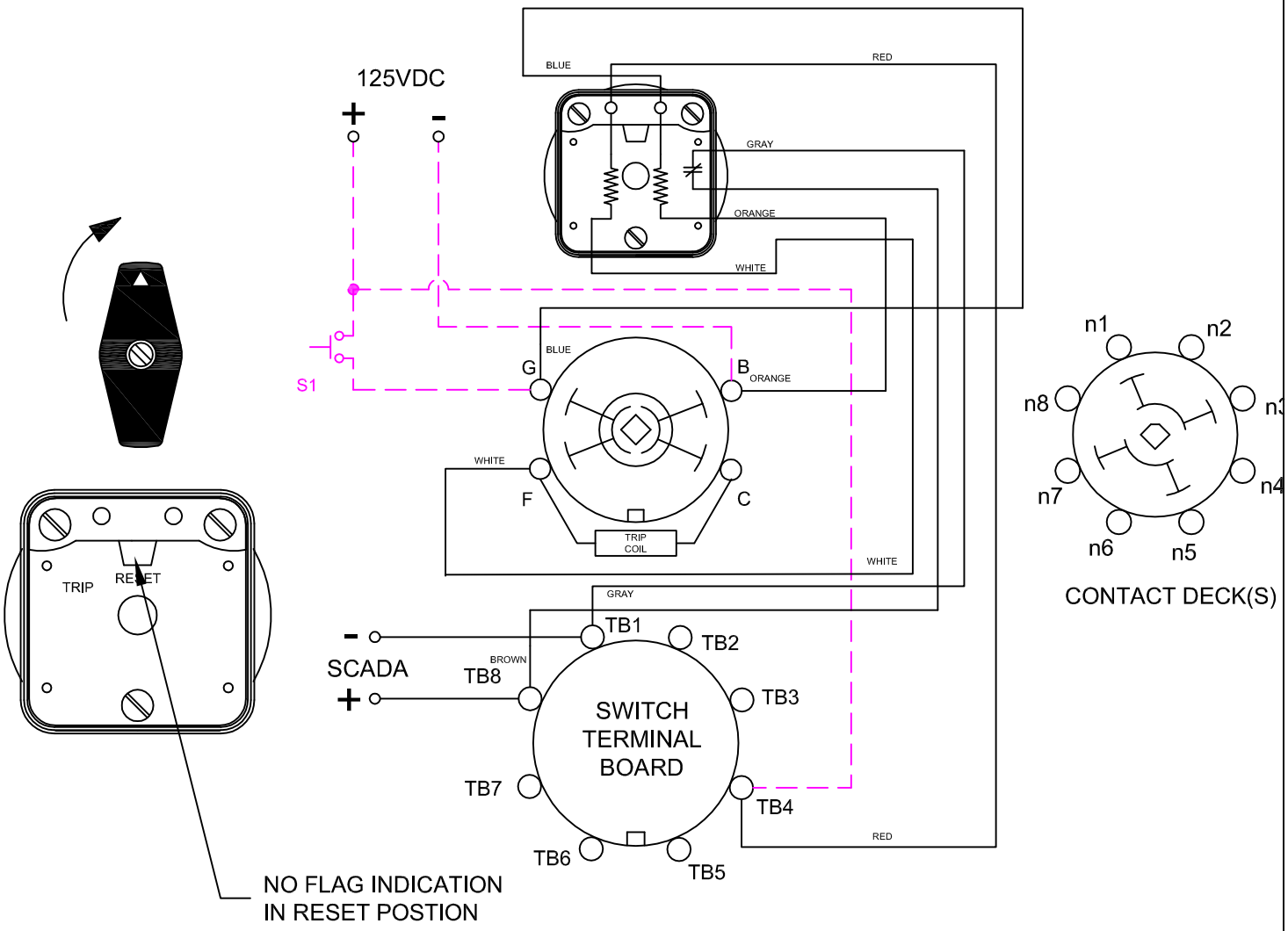
CONDITION #1	
ROTOR	RESET (AS SHOWN)
SWITCH 1 (S1)	OPEN

RESULT	
LEFT LED	ON
RIGHT LED	OFF
SCADA CIRCUIT TRIP COIL MONITOR)	OPEN

LOCK-OUT RELAYS (LOR)

GENERAL OPERATION:

THE HANDLE OF THE LOR MUST BE MANUALLY ROTATED CLOCKWISE TO PLACE THE UNIT IN THE "RESET" POSITION



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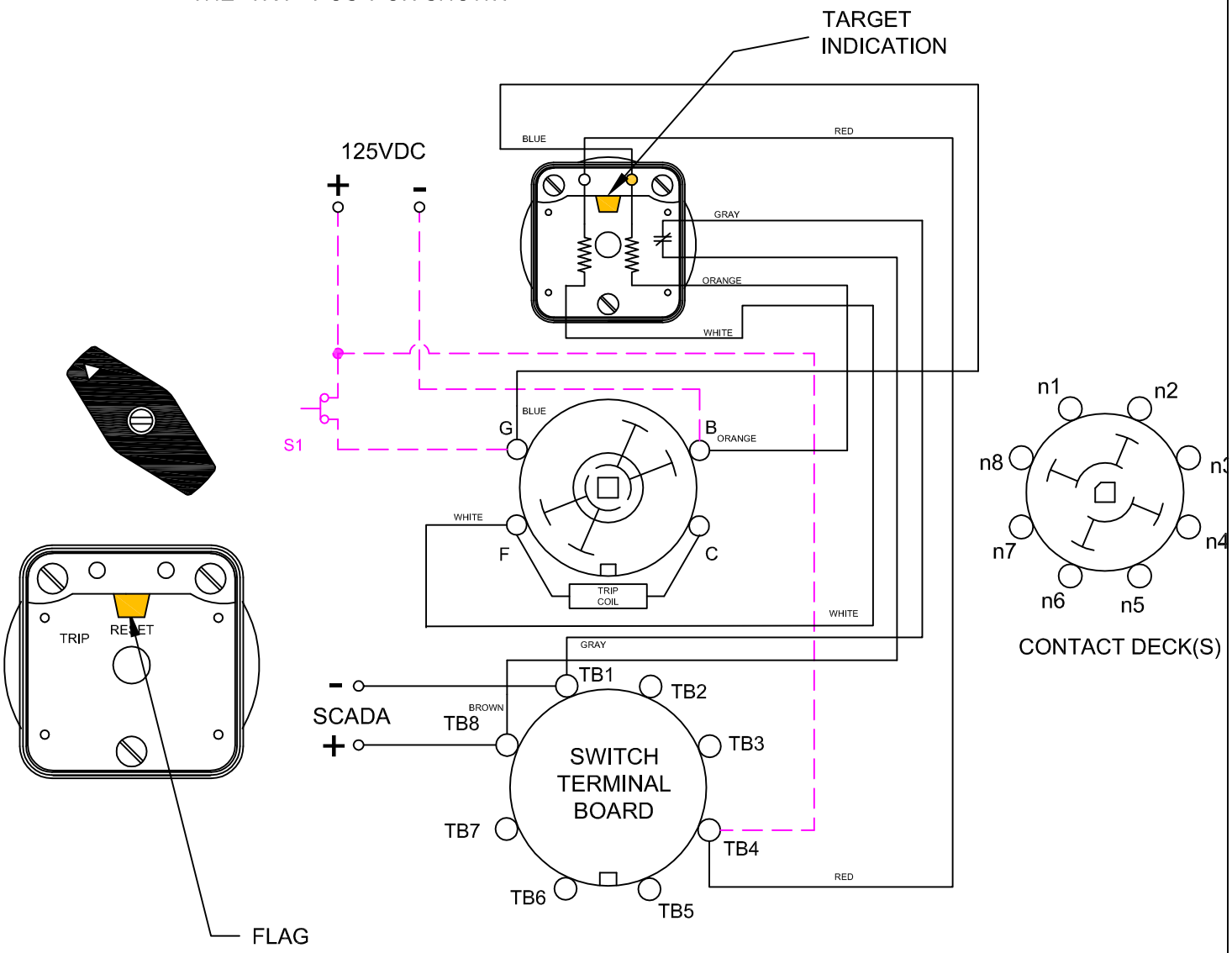
LED INDICATION

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

RESULT	
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



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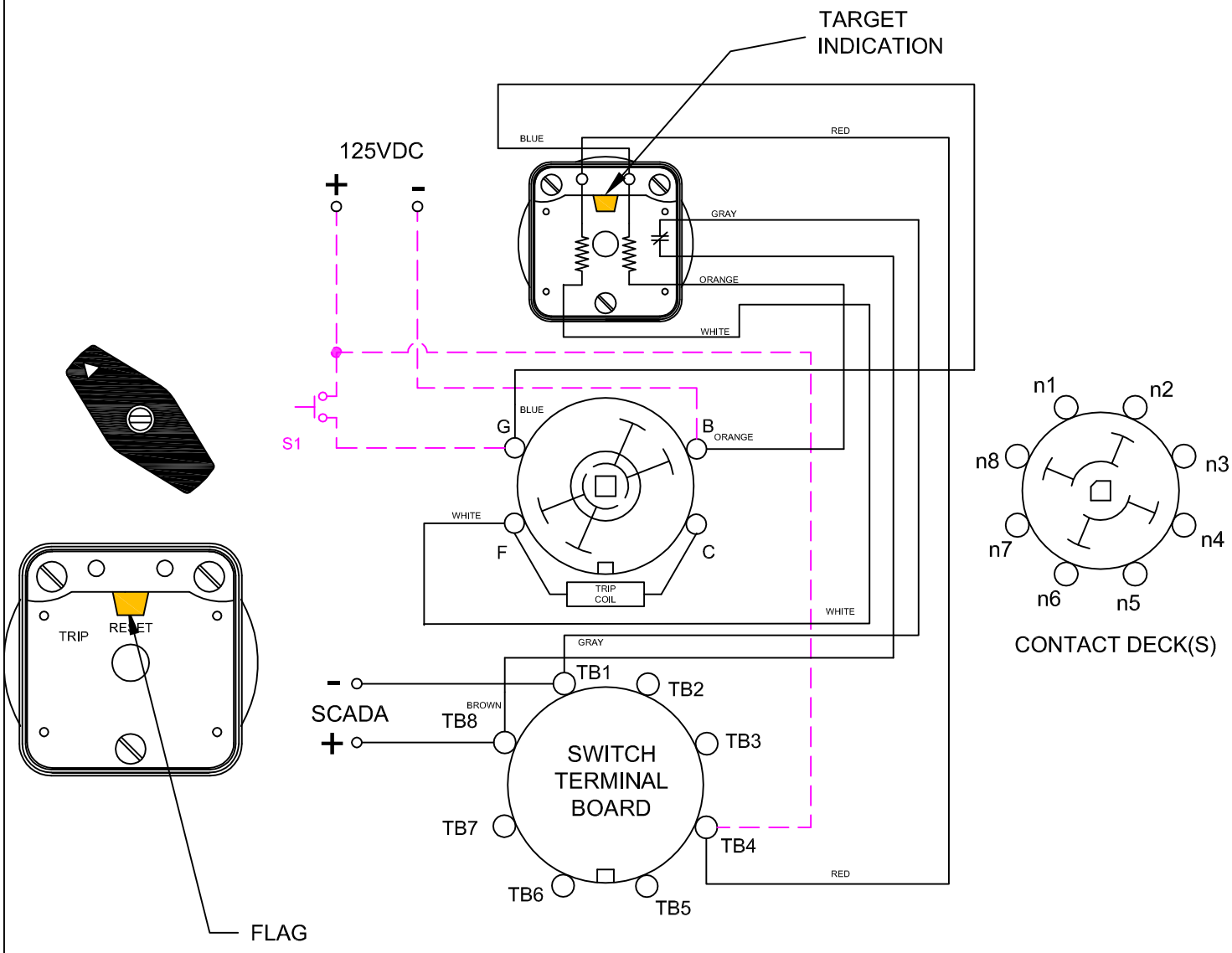
LED INDICATION

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

RESULT	
LEFT LED	OFF
RIGHT LED	OFF
SCADA SWITCH	CLOSED

WHEN S1 OPENS THE LOR WILL REMAIN IN THE TRIPPED POSITION AND THE SCADA CIRCUIT WILL REMAIN CLOSED UNTIL THE LOR IS ROTATED BACK INTO THE RESET POSITION