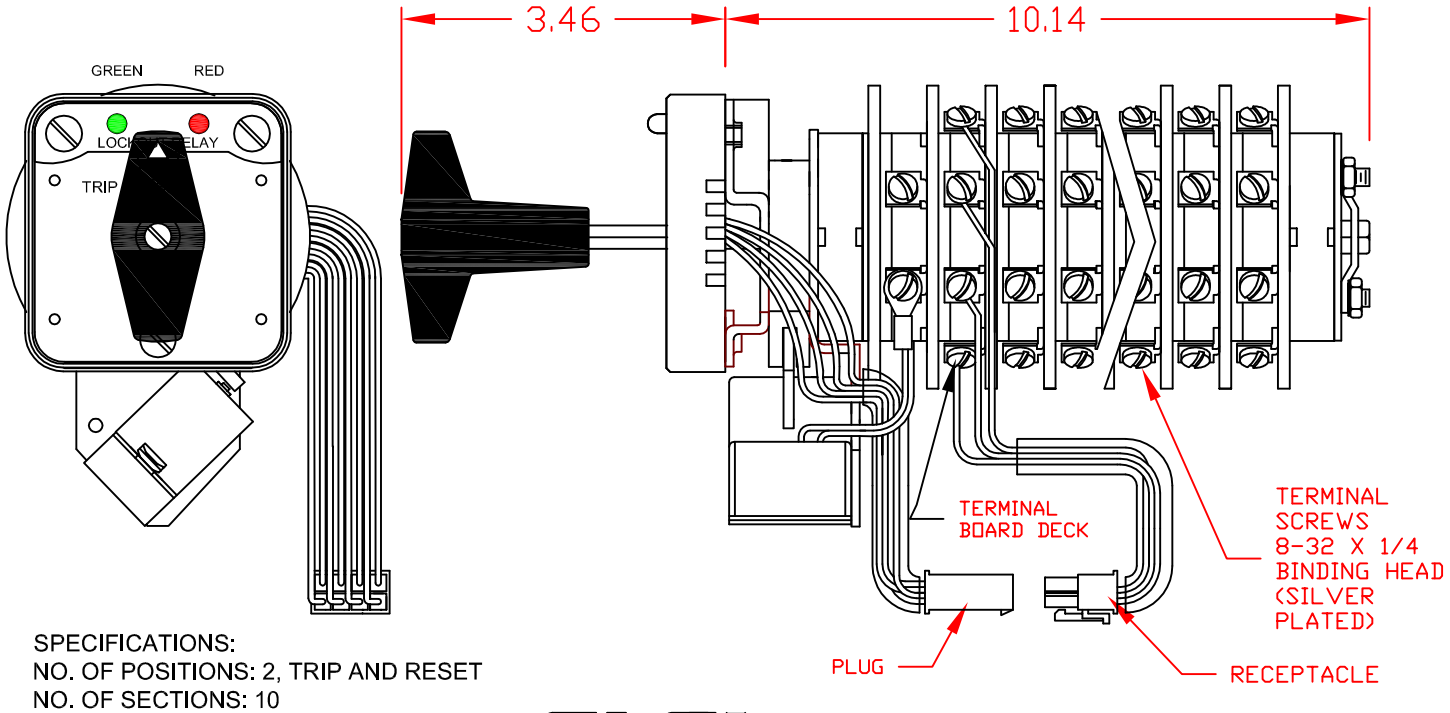
7610D125VDCCXAWP



SPECIFICATIONS:
NO. OF POSITIONS: 2, TRIP AND RESET
NO. OF SECTIONS: 10
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

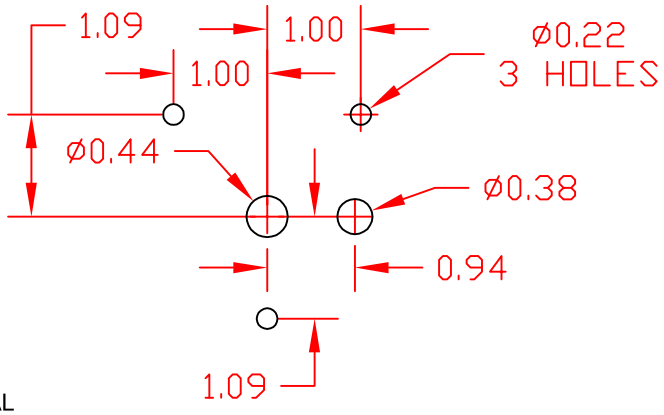
OVERLOAD CURRENT
(50 OPERATIONS):
95 A/120 VAC
65 A/240 VAC
35 A/600 VAC

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		
	15 — 17		X
	14 — 16	X	
2	21 — 23		X
	22 — 28	X	
	25 — 27		X
	24 — 26	X	
3	31 — 33		X
	32 — 38	X	
	35 — 37		X
	34 — 36	X	
4	41 — 43		X
	42 — 48	X	
	45 — 47		X
	44 — 46	X	
5	51 — 53		X
	52 — 58	X	
	55 — 57		X
	54 — 56	X	
6	61 — 63		X
	62 — 68	X	
	65 — 67		X
	64 — 66	X	
7	71 — 73		X
	72 — 78	X	
	75 — 77		X
	74 — 76	X	
8	81 — 83		X
	82 — 88	X	
	85 — 87		X
	84 — 86	X	
9	91 — 93		X
	92 — 98	X	
	95 — 97		X
	94 — 96	X	
10	101 — 103		X
	102 — 108	X	
	105 — 107		X
	104 — 106	X	

DESCRIPTION

LOCK-OUT RELAY SPECIFICATION SHEET

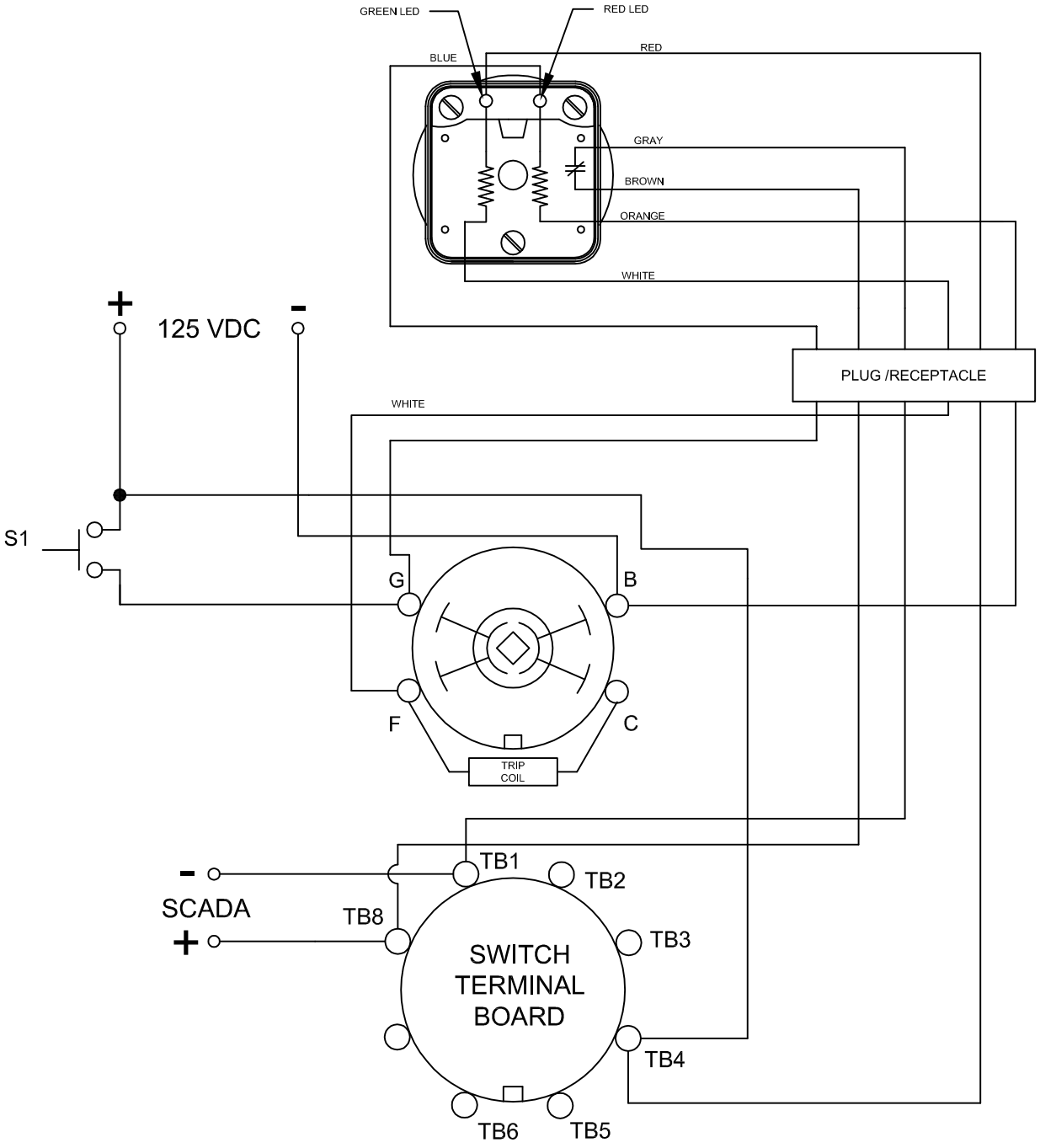
PART NUMBER

7610D125VDCCXAWP

REV A

SHALLCO
AN ISO 9001 COMPANY

308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA


GREEN LED
RED LED
BLUE
RED
GRAY
BROWN
ORANGE
WHITE
+
125 VDC
-
PLUG /RECEPTACLE
WHITE
S1
G
B
F
C
TRIP
COIL
-
SCADA
+
TB1
TB2
TB8
TB3
SWITCH
TERMINAL
BOARD
TB4
TB6
TB5

LOCK-OUT RELAYS (LOR)

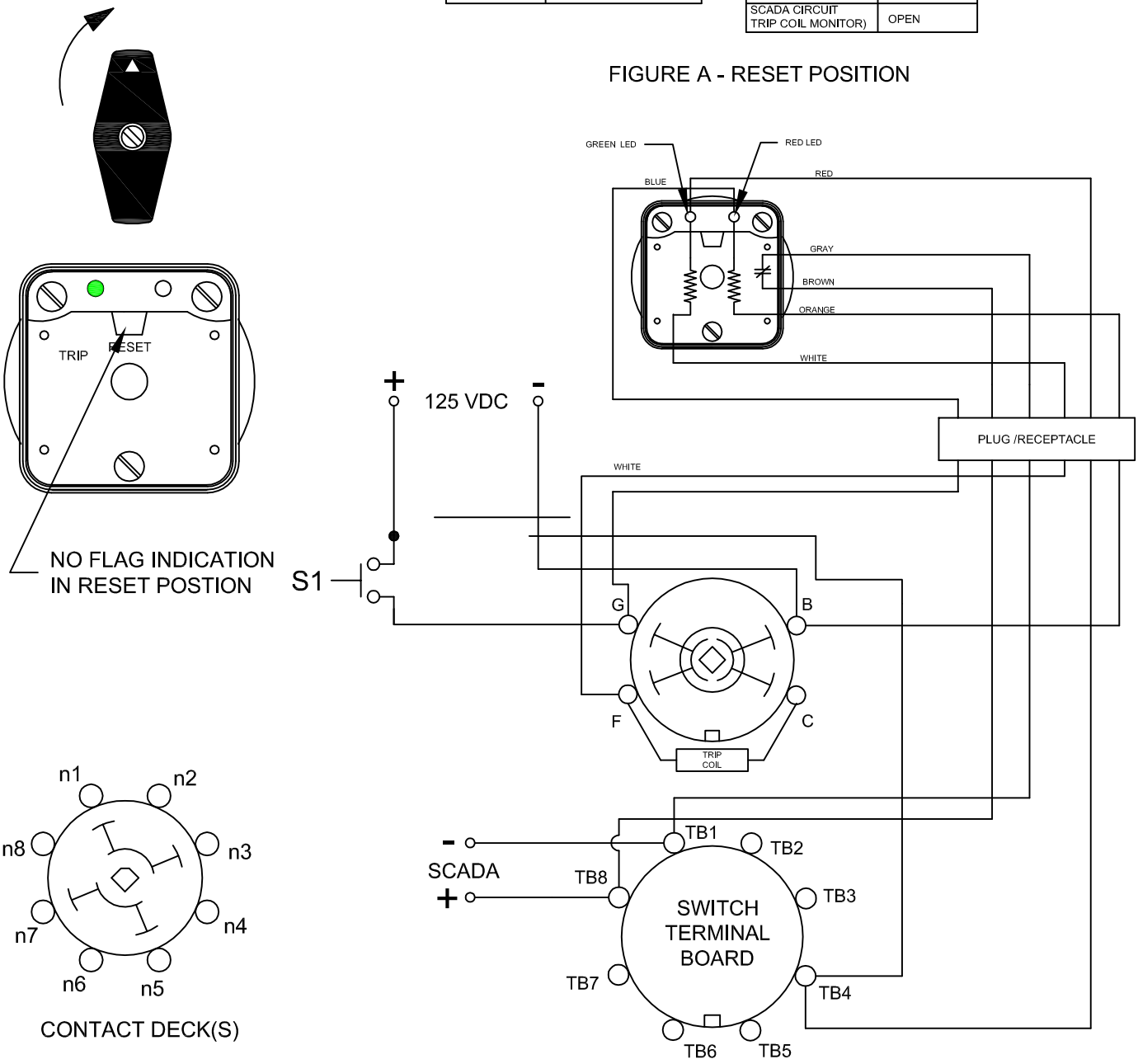
GENERAL OPERATION:

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

FIGURE A - RESET POSITION



PART NUMBER

7610D125VDCCXAWP

REV A

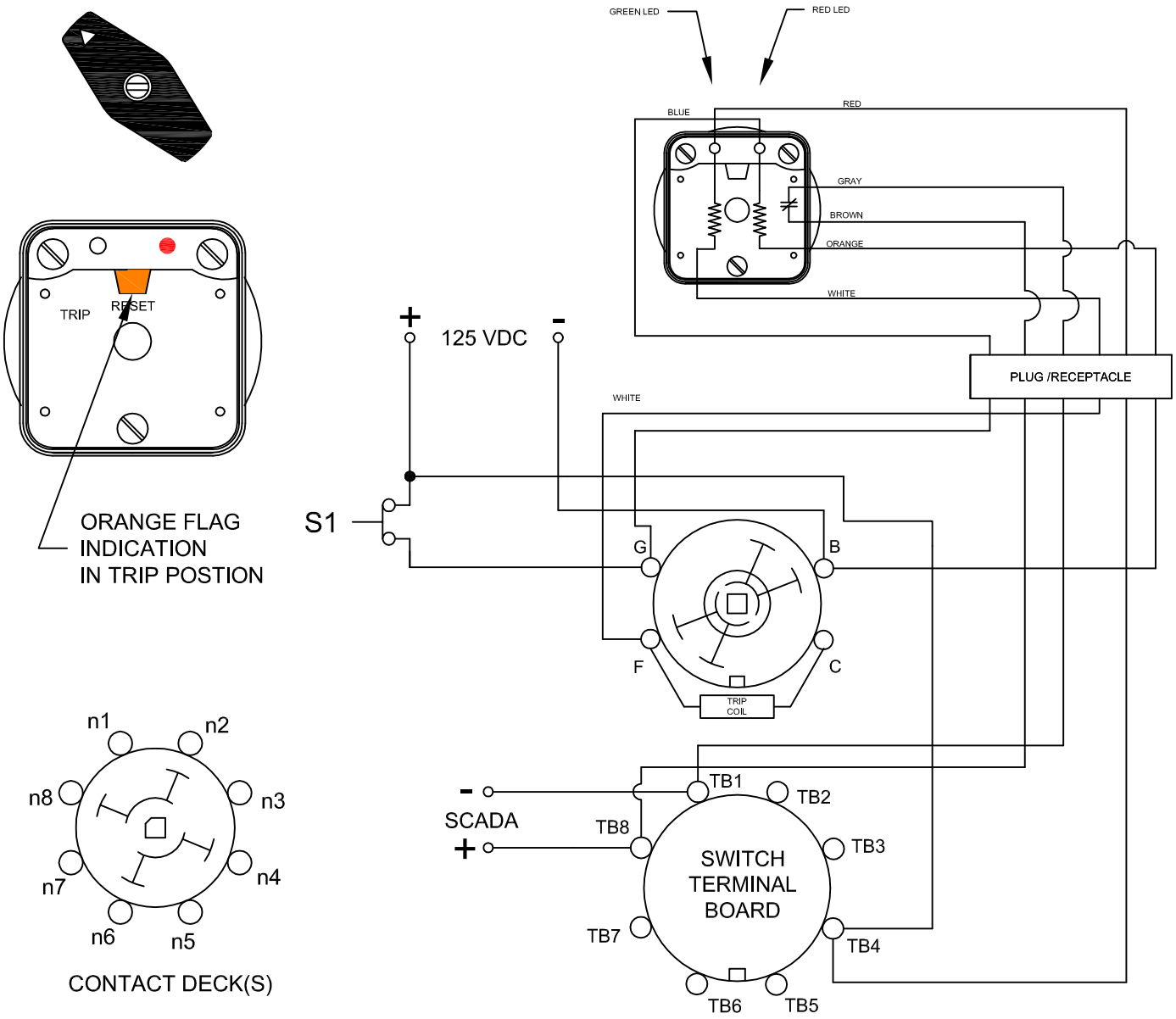
SHALLCO
AN ISO 9001 COMPANY
308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA

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 THE RIGHT LED ILLUMINATES UNTIL S1 OPENS. THE SCADA CIRCUIT CLOSES.

FIGURE B - TRIP POSITION



PART NUMBER

7610D125VDCCXAWP

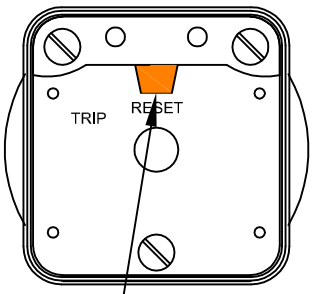
REV A

SHALLCO
AN ISO 9001 COMPANY
308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA

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

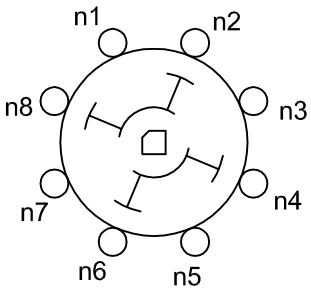
RESULT	
LEFT LED	OFF
RIGHT LED	OFF
SCADA SWITCH	CLOSED

WHEN S1 OPENS, THE RIGHT LED GOES OFF; HOWEVER THE SCADA CIRCUIT REMAINS CLOSED UNTIL THE LOR IS ROTATED BACK INTO THE RESET POSITION

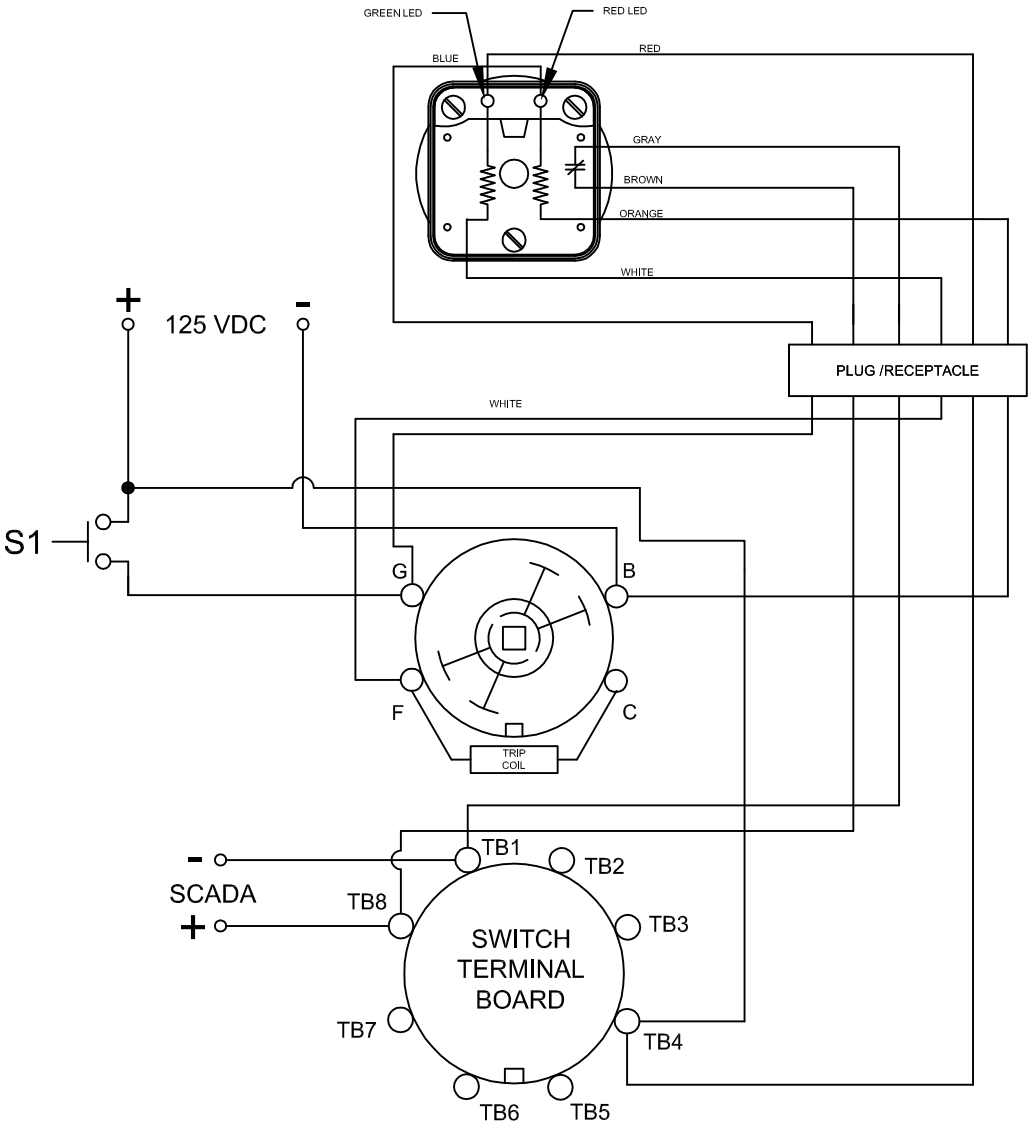


ORANGE FLAG INDICATION IN TRIP POSTION

FIGURE B - TRIP POSITION



CONTACT DECK(S)



PART NUMBER

7610D125VDCCXAWP

REV A

SHALLCO
AN ISO 9001 COMPANY
308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA