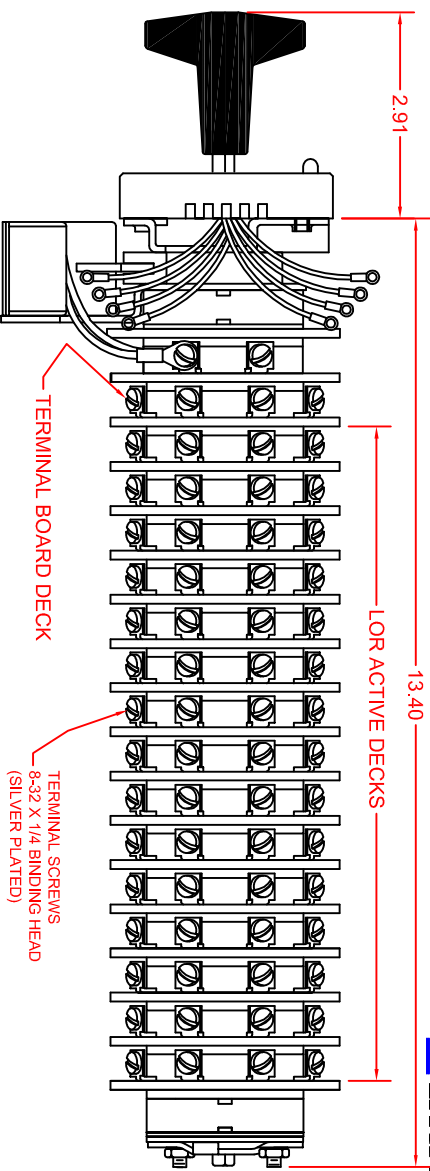
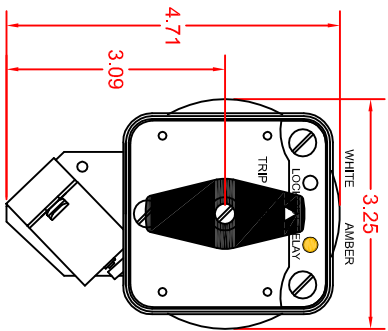


# 7615D 125VDCDXB



**SPECIFICATIONS:**  
 NO. OF POSITIONS: 2, TRIP AND RESET  
 NO. OF SECTIONS: 4  
 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/600 VAC 1 A/ 250 VDC  
 20 A/600 VAC (RESISTIVE)

**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

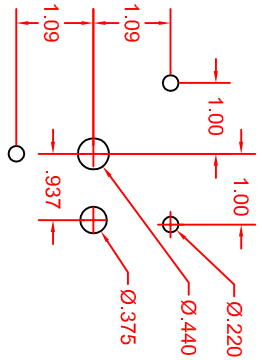
**DESCRIPTION**

## 7615D 125VDCDXB

REV. B

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

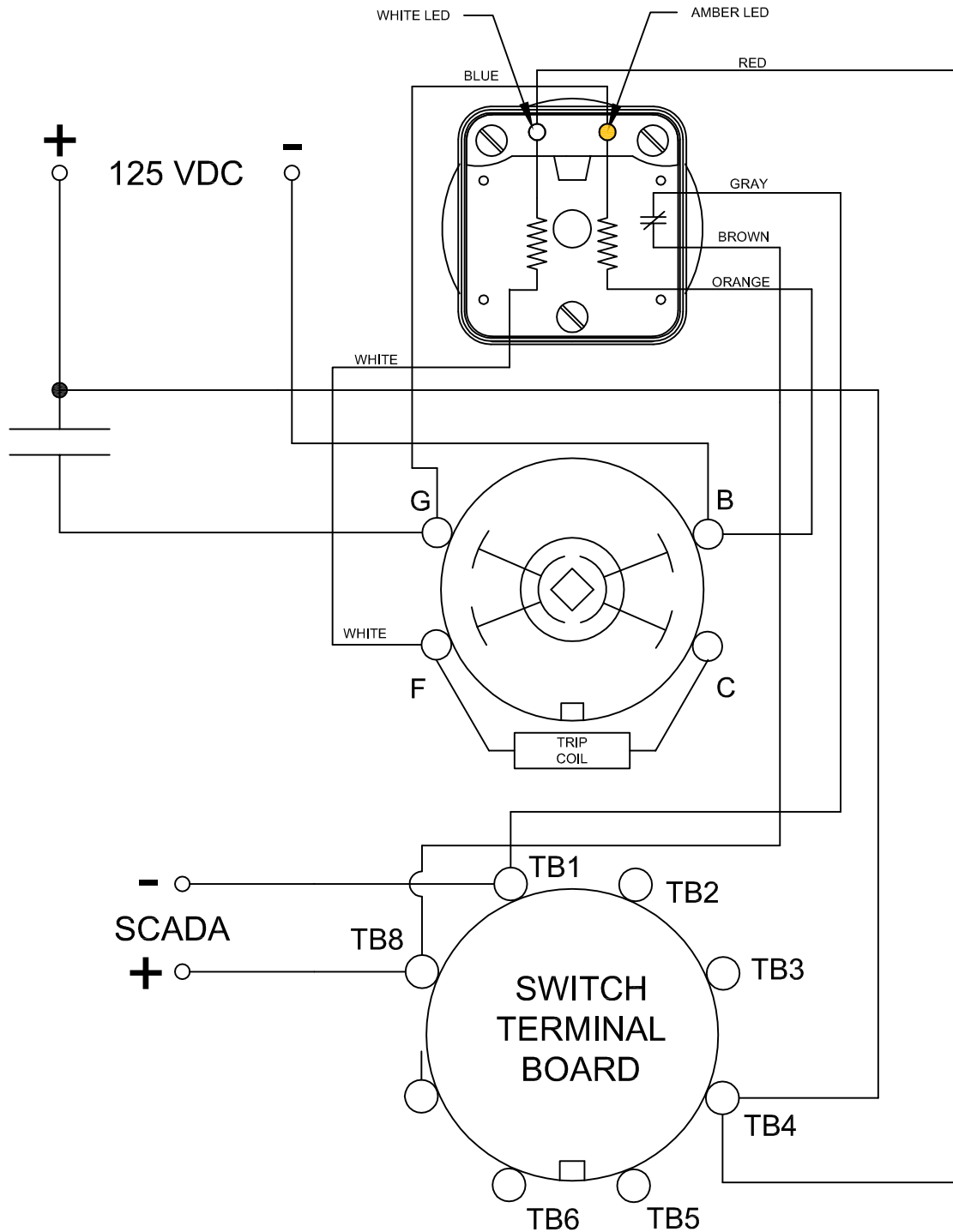
**PANEL DRILLING DIMENSIONS**



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

DECK	CONTACTS	POSITION	
		TRIP	RESET
9	91-93	X	X
9	92-98	X	X
9	95-97	X	X
9	96-94	X	X
10	101-103	X	X
10	102-108	X	X
10	105-107	X	X
10	106-104	X	X
11	111-113	X	X
11	112-118	X	X
11	115-117	X	X
11	116-114	X	X
12	121-123	X	X
12	122-128	X	X
12	125-127	X	X
12	126-124	X	X
13	131-133	X	X
13	132-138	X	X
13	135-137	X	X
13	136-134	X	X
14	141-143	X	X
14	142-148	X	X
14	145-147	X	X
14	146-144	X	X
15	151-153	X	X
15	152-158	X	X
15	155-157	X	X
15	156-154	X	X

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



DESCRIPTION

LIGHTED ESCUTCHEON PANEL  
WIRING DIAGRAM

PART NUMBER

7615D 125VDCDXB

## LOCK-OUT RELAYS (LOR)

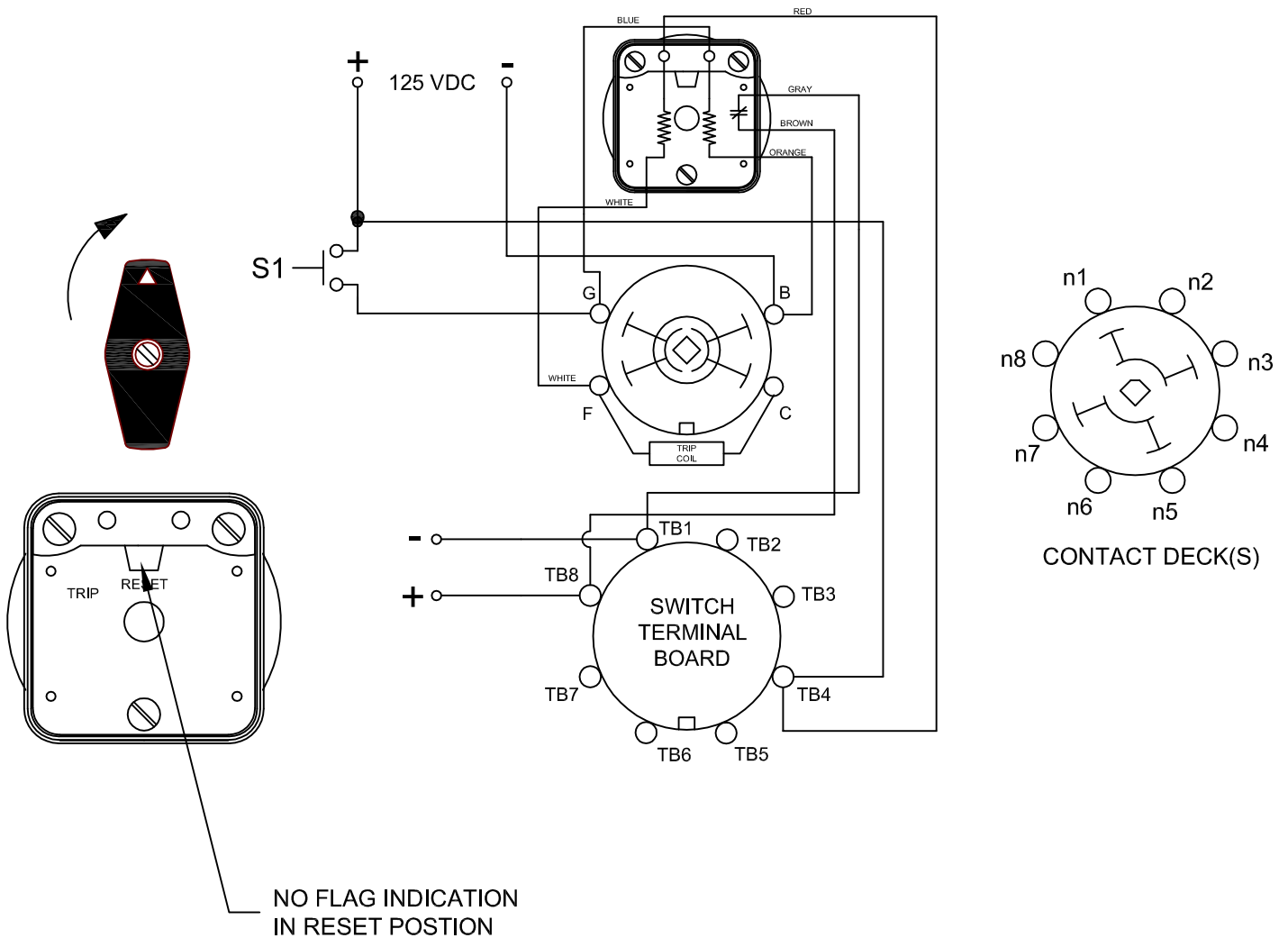
### GENERAL OPERATION:

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



DESCRIPTION

LOCK-OUT RELAY SPECIFICATION SHEET

PART NUMBER

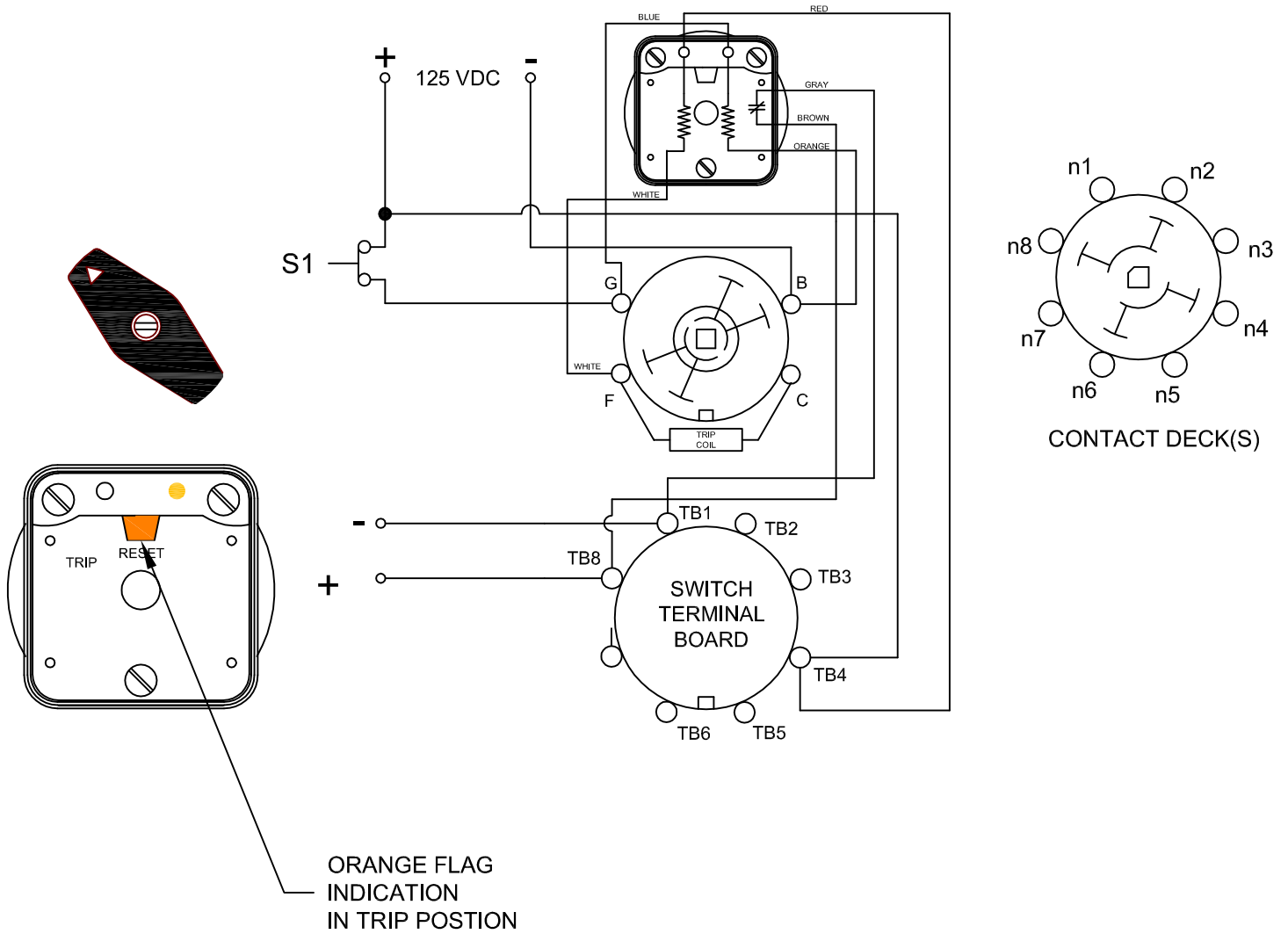
7615D 125VDCDXB

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

RESULT	
LEFT LED	OFF
RIGHT LED	ON
SCADA SWITCH	CLOSED

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

FIGURE B - TRIP POSITION



DESCRIPTION

LOCK-OUT RELAY SPECIFICATION SHEET

PART NUMBER

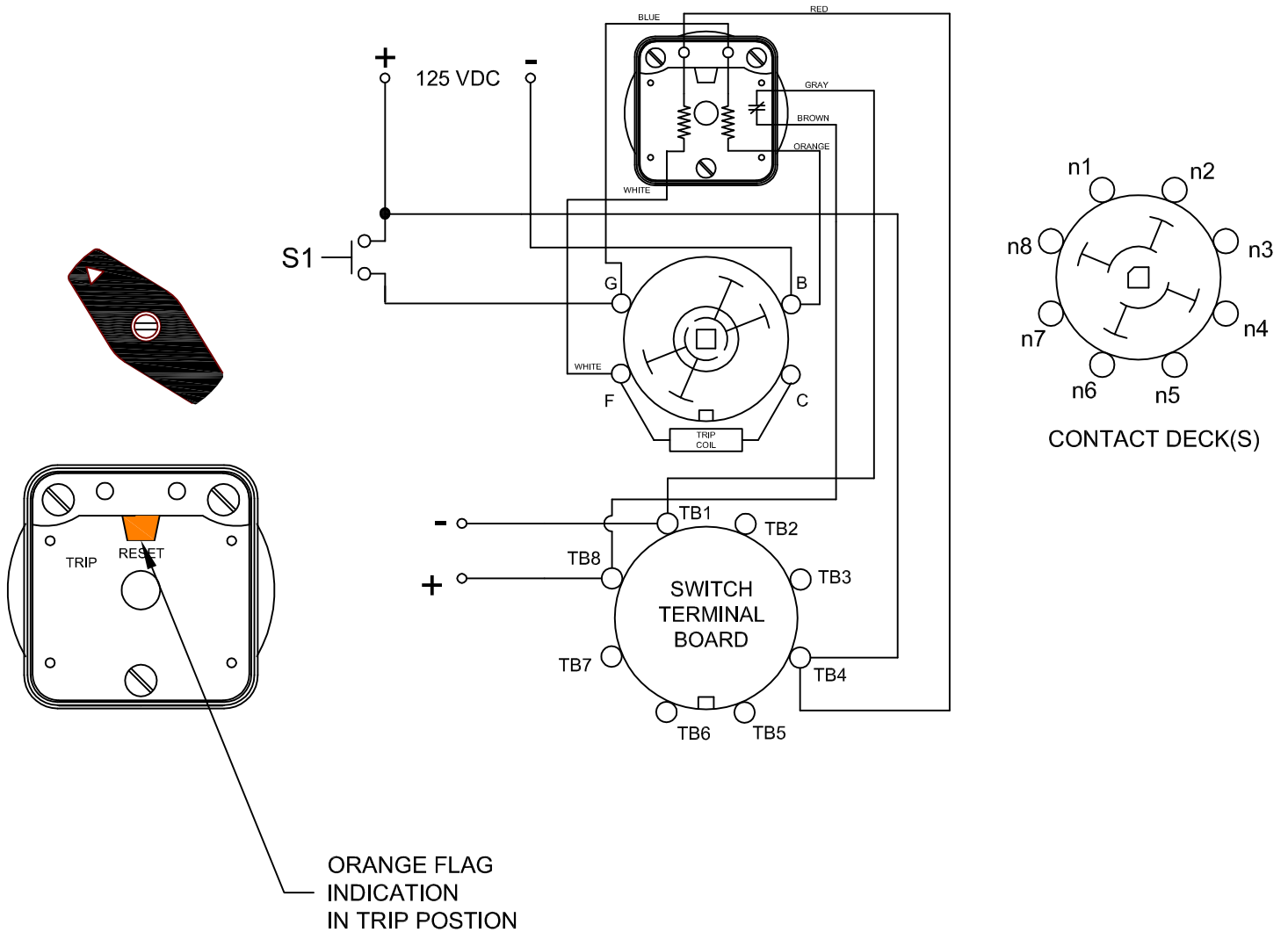
7615D 125VDCDXB

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

RESULT	
LEFT LED	OFF
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



DESCRIPTION

LOCK-OUT RELAY SPECIFICATION SHEET

PART NUMBER

7615D 125VDCDXB