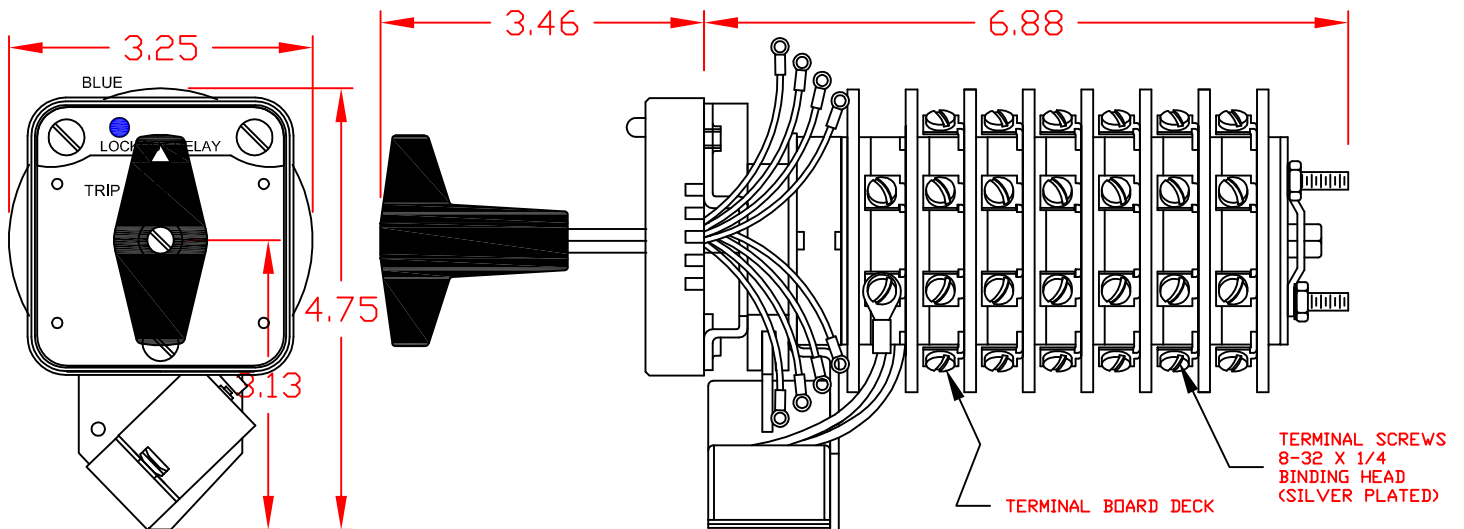


# 7605D 125VDCEXX



**SPECIFICATIONS:**

NO. OF POSITIONS: 2, TRIP AND RESET

NO. OF SECTIONS: 7

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

DECK	CONTACTS	POSITION	
		TRIP	RESET
1	11 —  —  — 13		
	12 —  —  — 18	X	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	

DESCRIPTION

**7605D 125VDCEXX**

REV A



308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

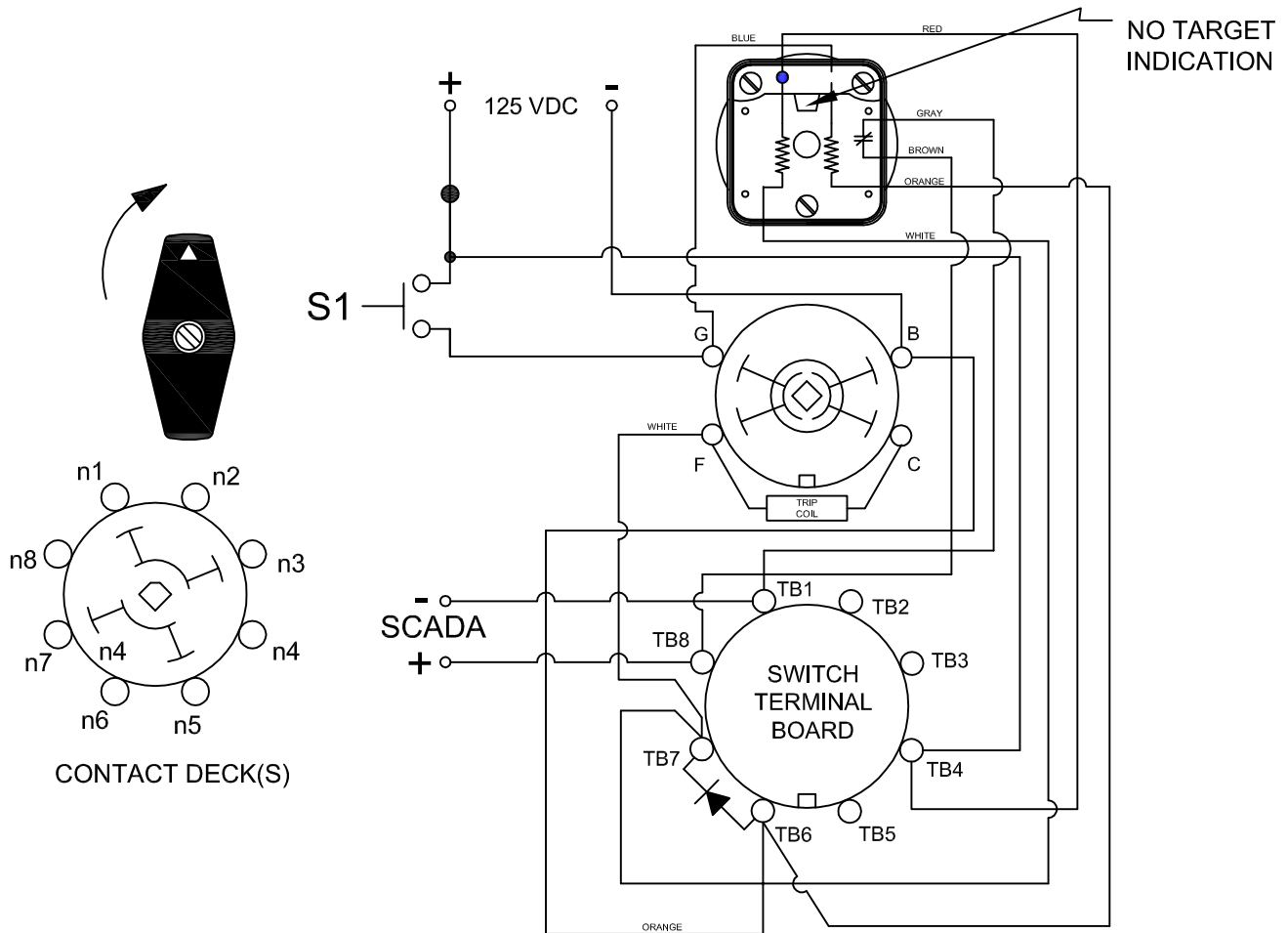
# 7605D 125VDCEXX

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)

FIGURE A - RESET POSITION



DESCRIPTION

**7605D 125VDCEXX**

REV A



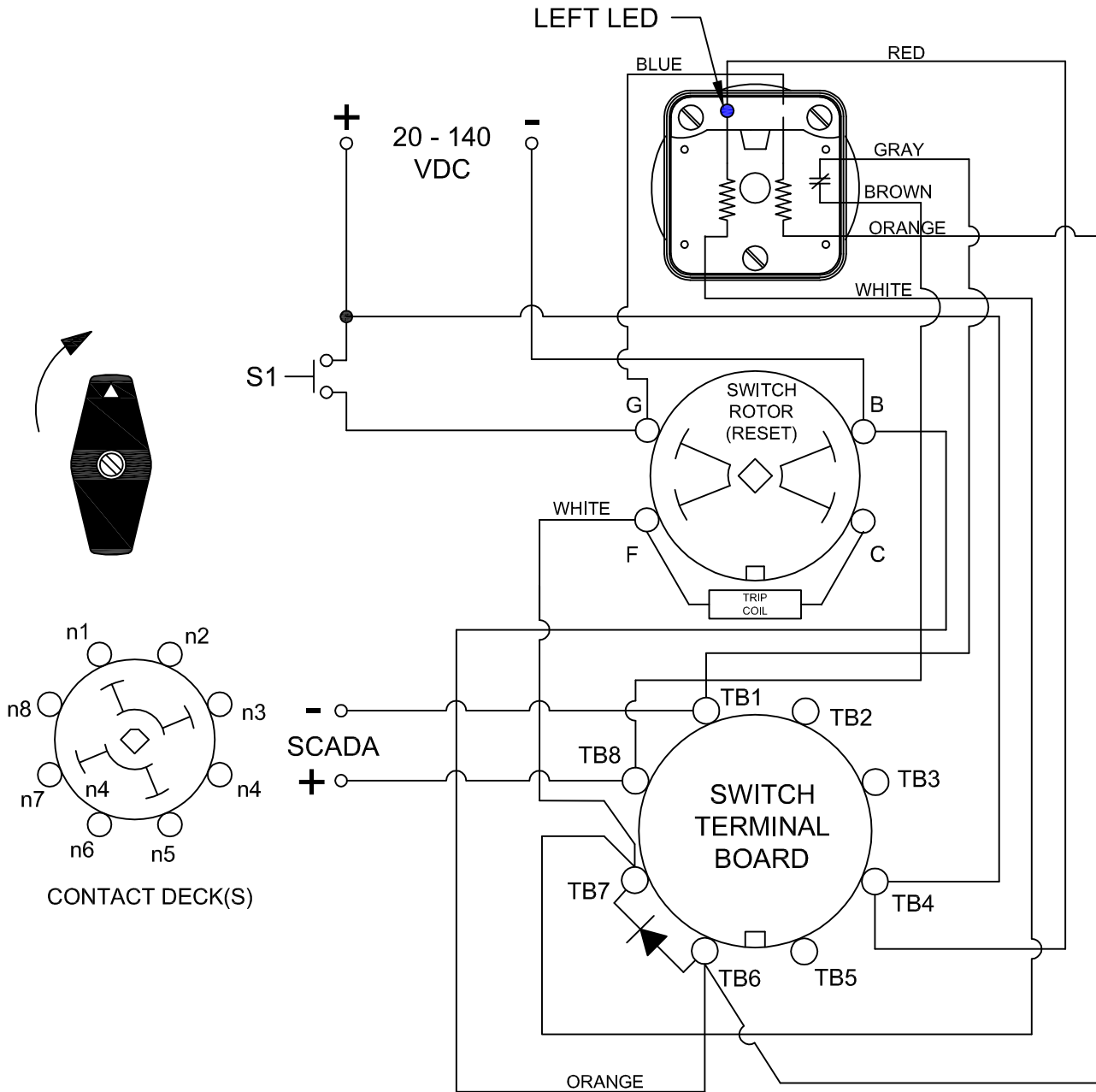
308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

# 7605D 125VDCEXX

## 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



## DESCRIPTION

# 7605D 125VDCEXX

REV A



308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

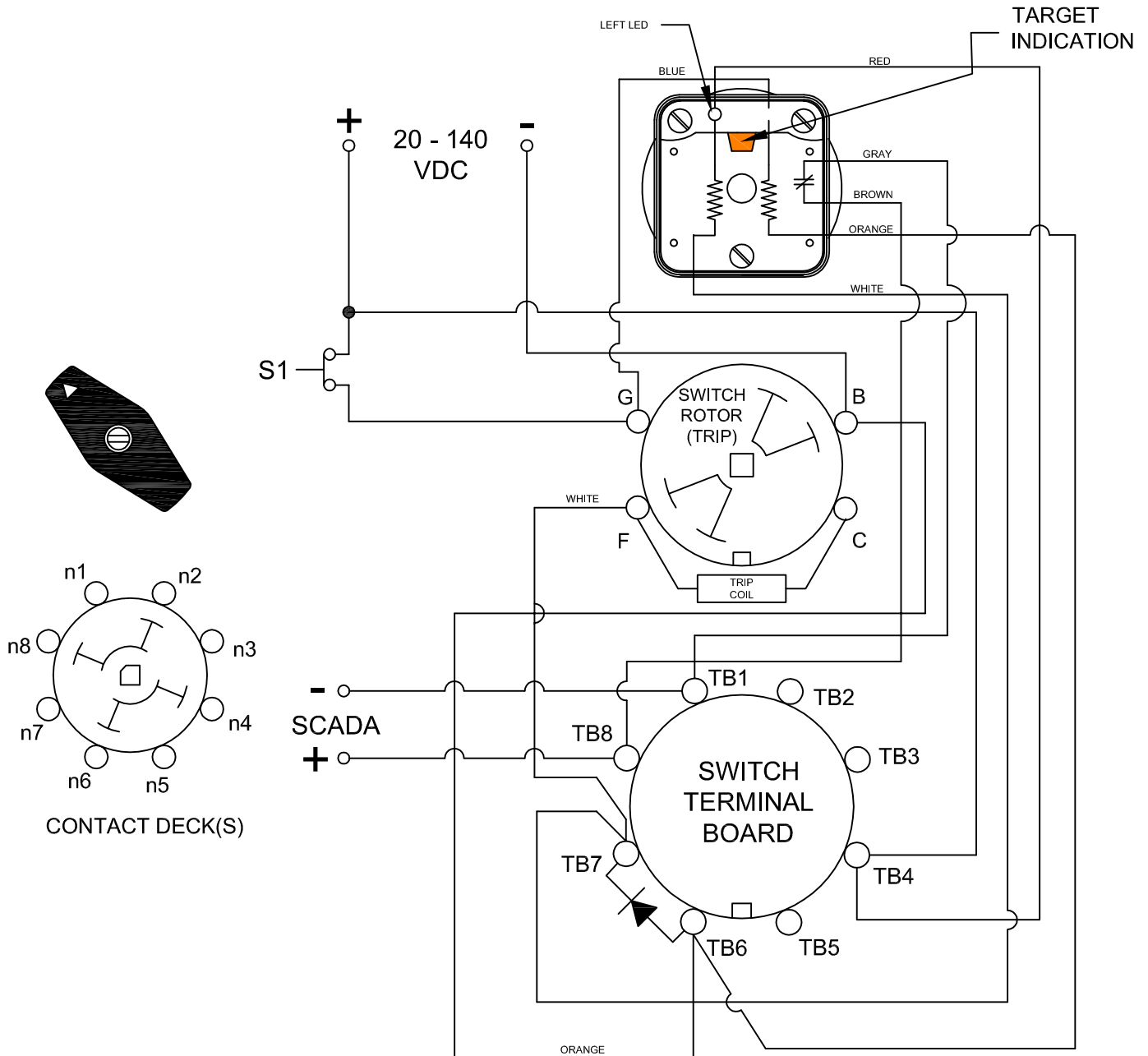
# 7605D 125VDCEXX

## LED INDICATION

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

RESULT	
LEFT LED	OFF
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



## DESCRIPTION

# 7605D 125VDCEXX

REV A



308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA

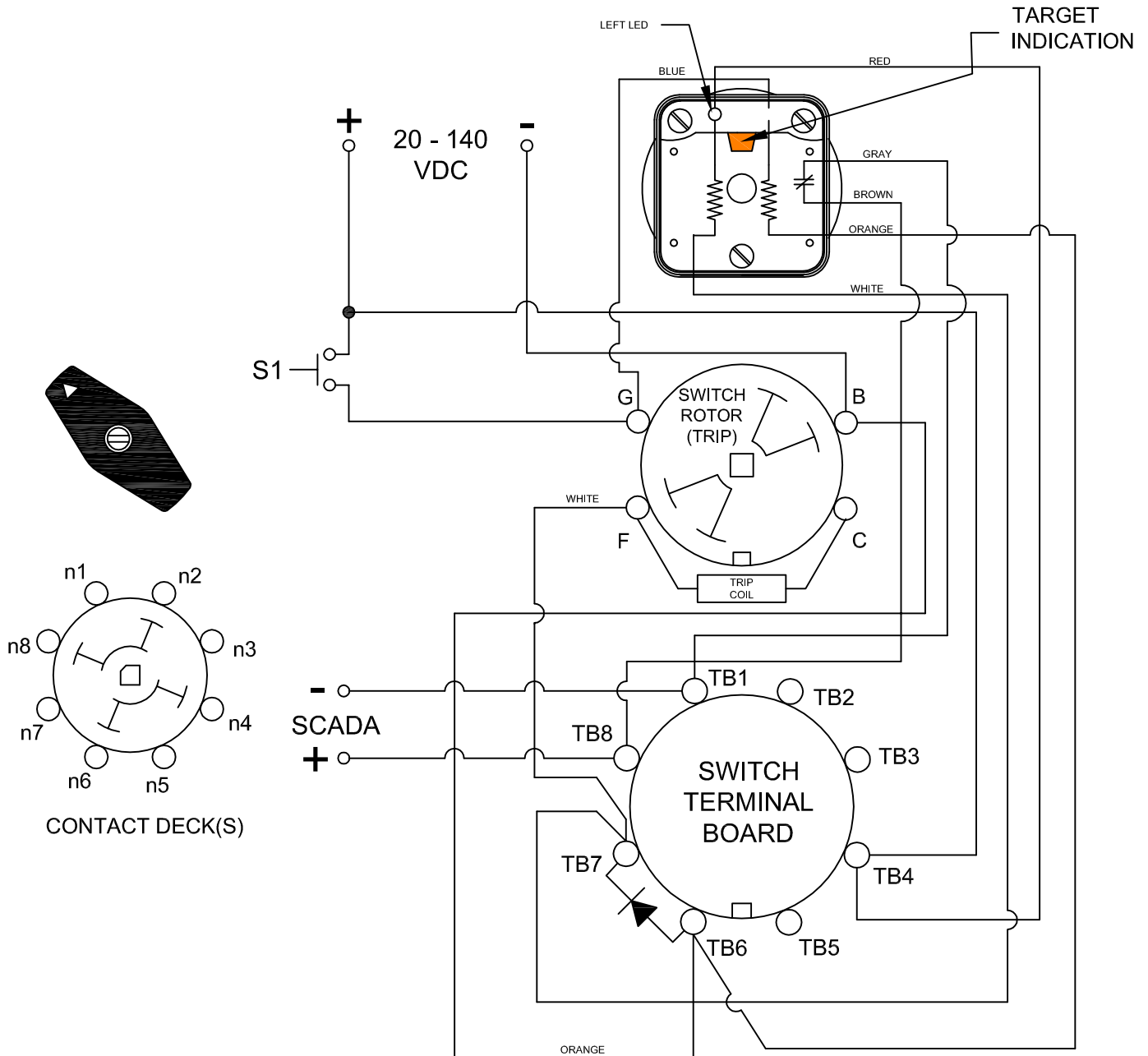
# 7605D 125VDCEXX

## LED INDICATION

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

RESULT	
LEFT LED	OFF
SCADA SWITCH	CLOSED

WHEN S1 RE-OPENS, THE LOR WILL REMAIN IN THE TRIPPED POSITION UNTIL MECHANICALLY ROTATED BACK TO THE RESET POSITION. THE SCADA CIRCUIT WILL REMAIN CLOSED



## DESCRIPTION

# 7605D 125VDCEXX

REV A



308 COMPONENTS DRIVE  
SMITHFIELD, NC 27577 USA