

SPECIFICATIONS:

NO. OF POSITIONS: 2, TRIP AND RESET
 NO. OF SECTIONS: 7 (5 ACTIVE, 1 CONTROL, 1 TERM. BRD DECK)
 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

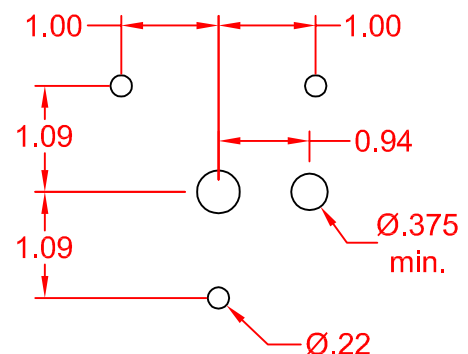
DIELECTRIC STRENGTH: 2200 VRMS

INSULATION RESISTANCE: 100 MEGOHMS INITIAL

CONTACT RESISTANCE: 10 MILLIOHMS MAX. INITIAL

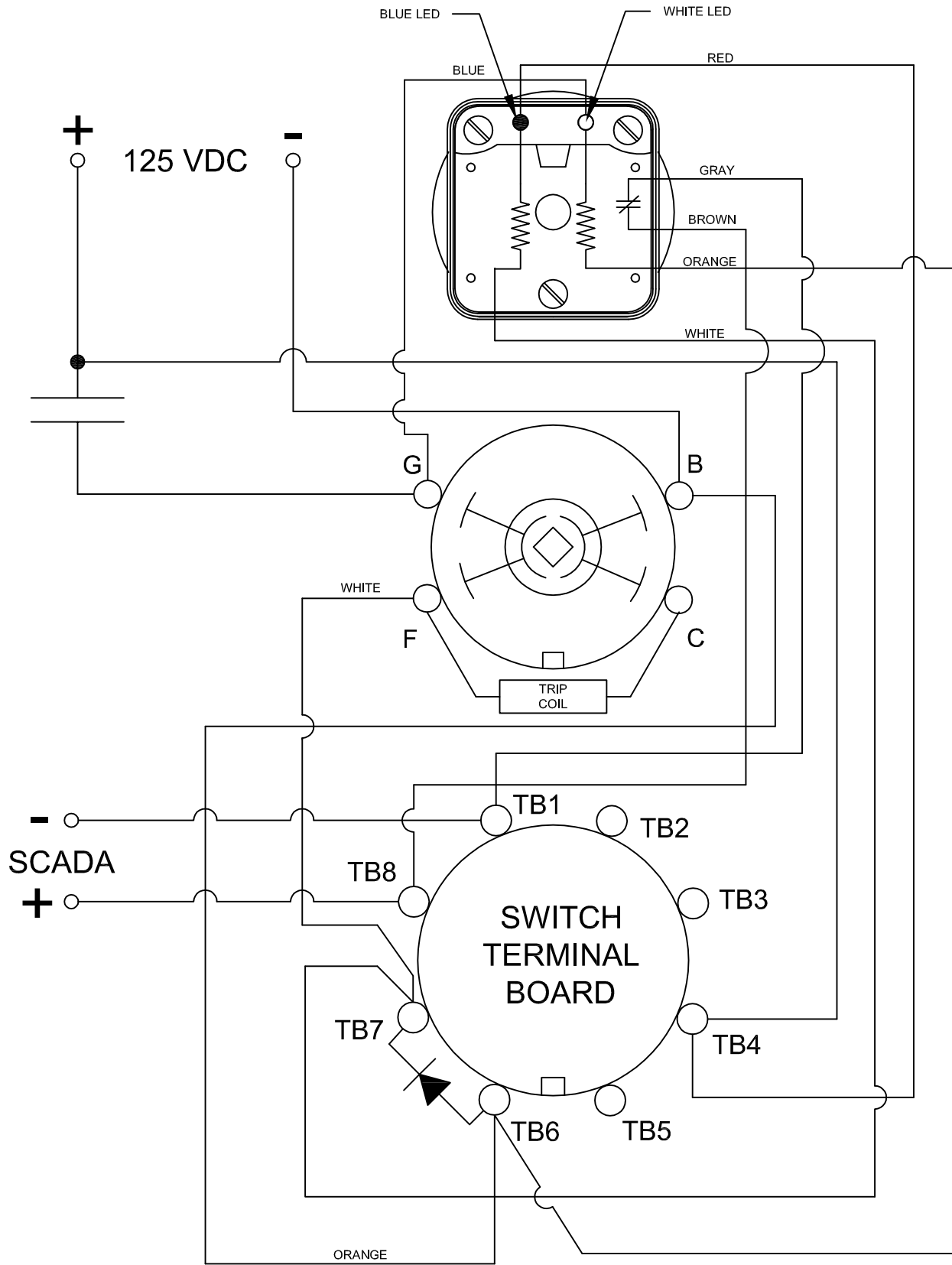
| DECK | CONTACTS | POSITION | |
|------|-----------------|----------|-------|
| | | TRIP | RESET |
| 1 | 11 ◦ — — ◦ 13 | | ✗ |
| | 12 ◦ — — ◦ 18 | ✗ | |
| | 15 ◦ — — ◦ 17 | | ✗ |
| | 16 ◦ — — ◦ 14 | ✗ | |
| 2 | 21 ◦ — — ◦ 23 | | ✗ |
| | 22 ◦ — — ◦ 28 | ✗ | |
| | 25 ◦ — — ◦ 27 | | ✗ |
| | 26 ◦ — — ◦ 24 | ✗ | |
| 3 | 31 ◦ — — ◦ 33 | | ✗ |
| | 32 ◦ — — ◦ 38 | ✗ | |
| | 35 ◦ — — ◦ 37 | | ✗ |
| | 36 ◦ — — ◦ 34 | ✗ | |
| 4 | 41 ◦ — — ◦ 43 | | ✗ |
| | 42 ◦ — — ◦ 48 | ✗ | |
| | 45 ◦ — — ◦ 47 | | ✗ |
| | 46 ◦ — — ◦ 44 | ✗ | |
| 5 | 51 ◦ — — ◦ 53 | | ✗ |
| | 52 ◦ — — ◦ 58 | ✗ | |
| | 55 ◦ — — ◦ 57 | | ✗ |
| | 56 ◦ — — ◦ 54 | ✗ | |

DRILLING (PANEL) DIMENSIONS



DESCRIPTION

7605D 125VDC EXD



DESCRIPTION
7605D 125VDCEXD



308 COMPONENTS DRIVE
SMITHFIELD, NC 27577 USA

LOCK-OUT RELAYS (LOR)

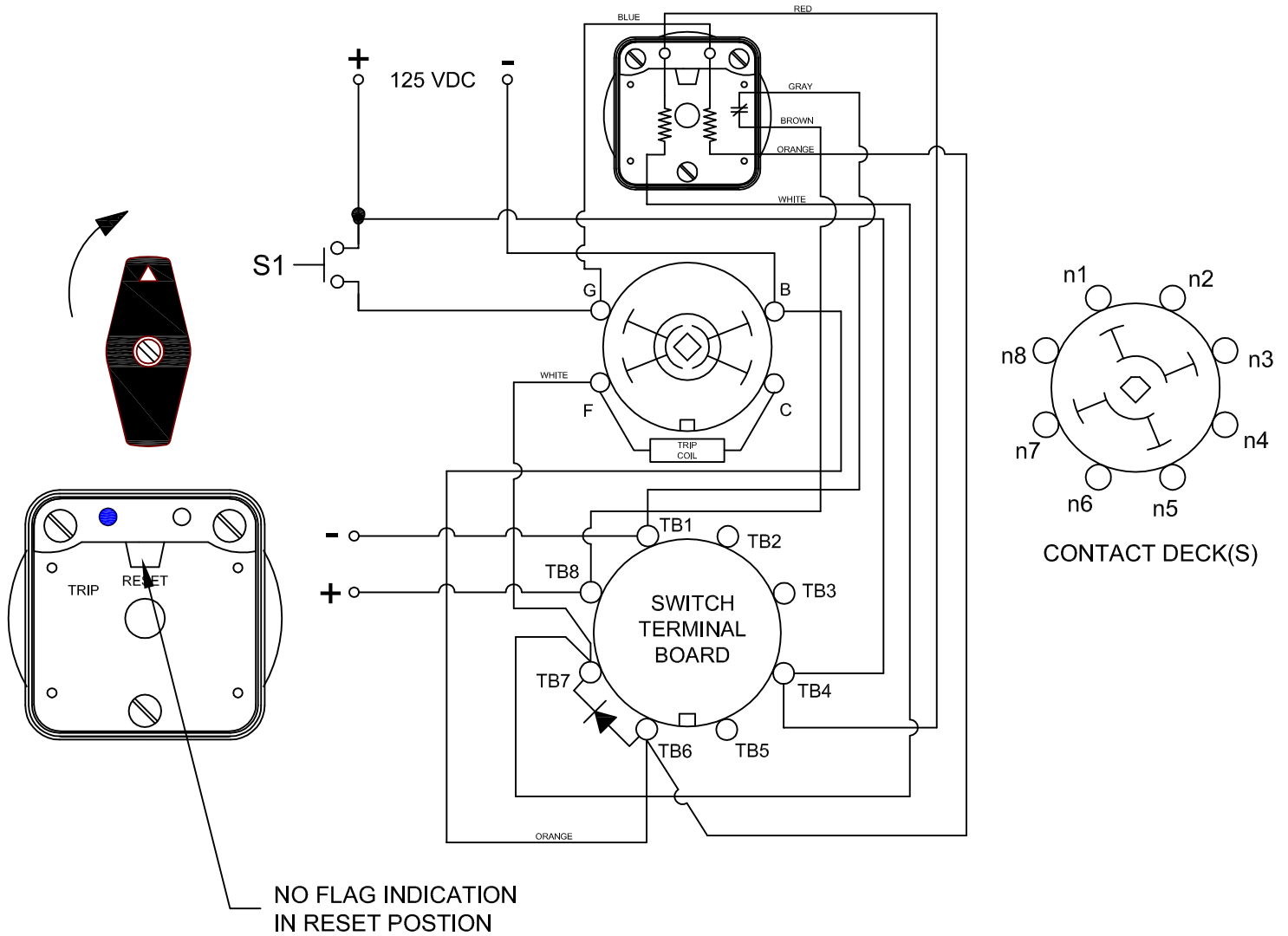
GENERAL OPERATION:

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

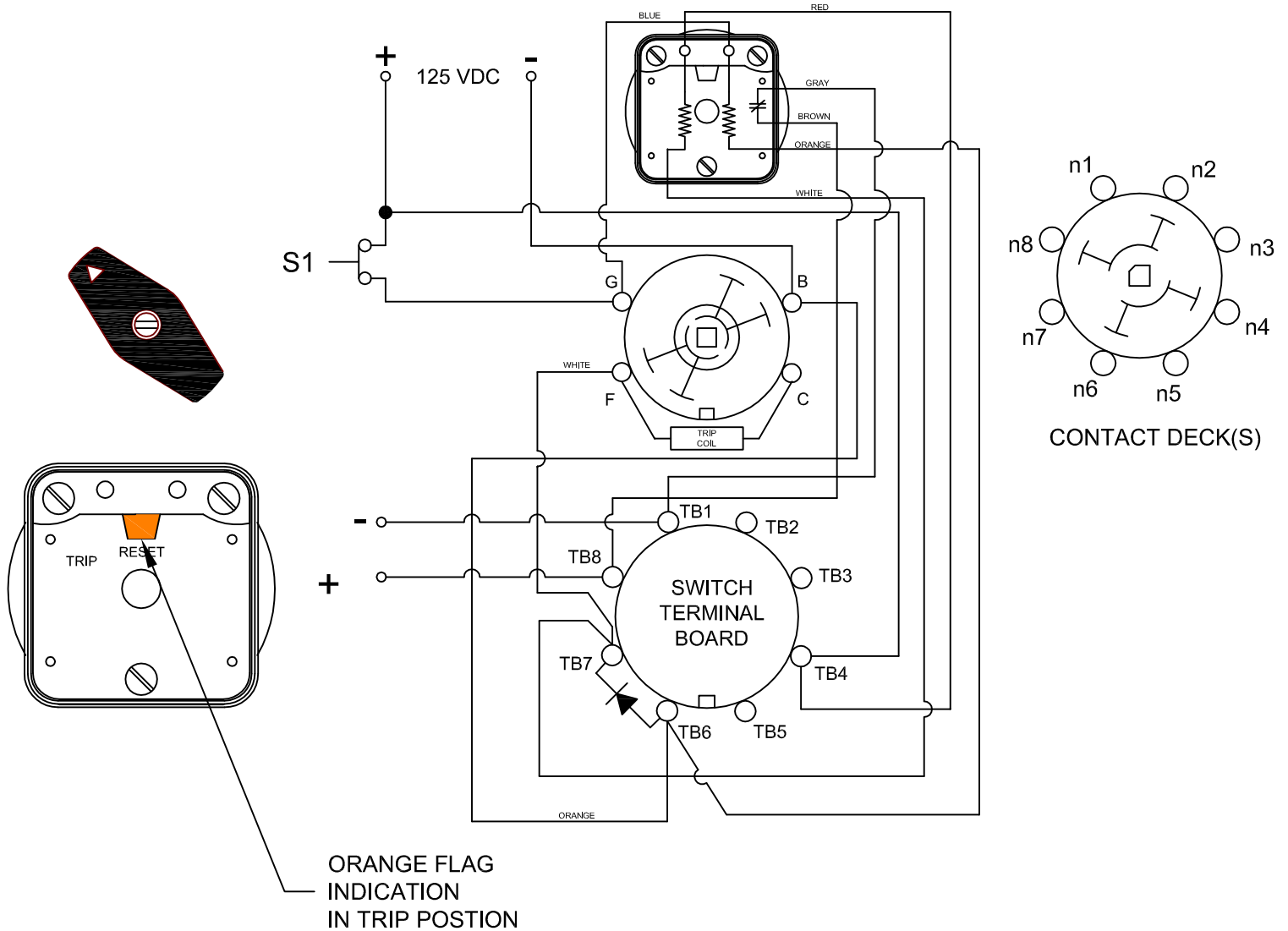
7605D 125VDCEXD

| CONDITION #2 | |
|---------------|------------------|
| ROTOR | RESET (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



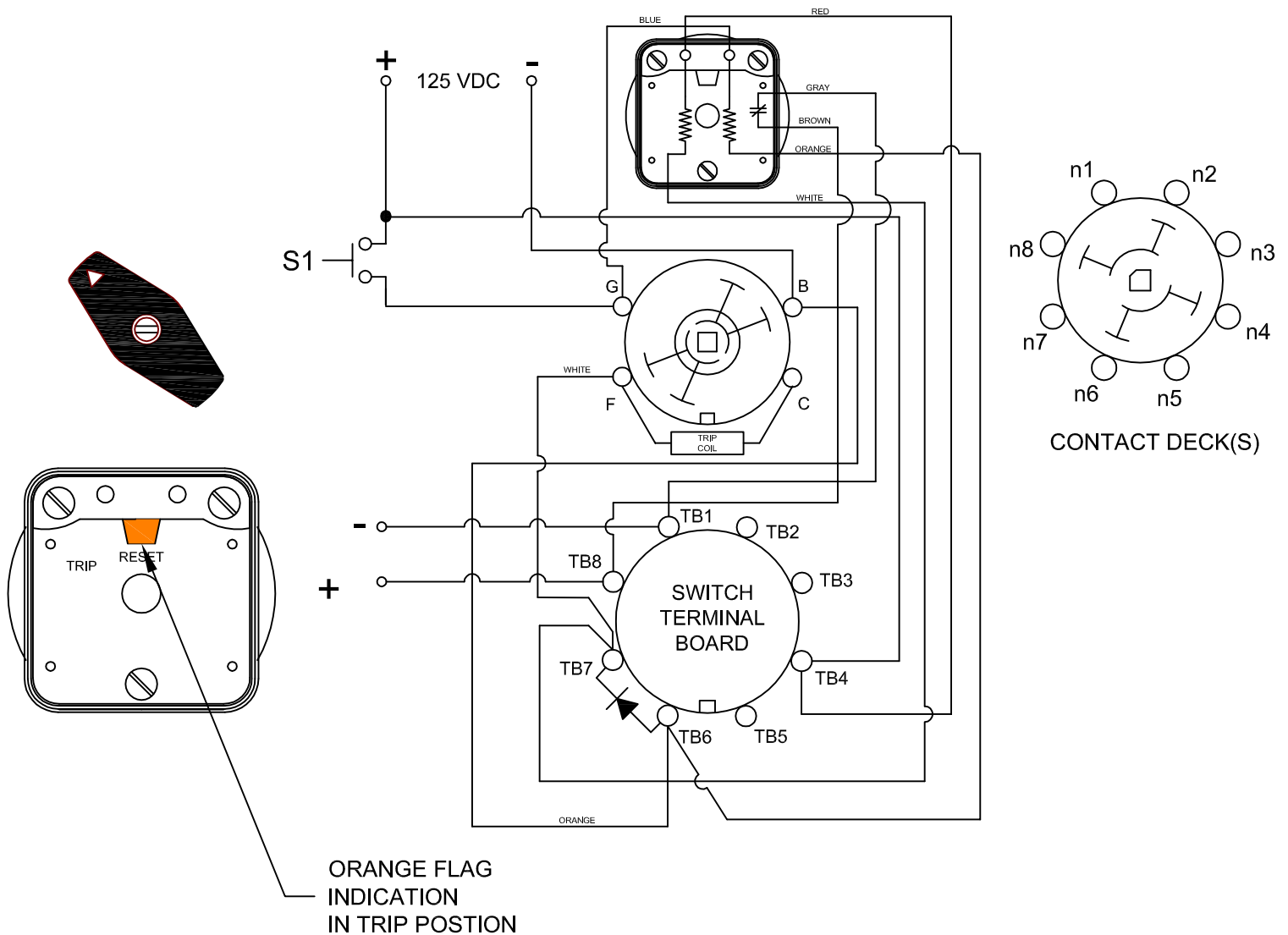
DESCRIPTION
7605D 125VDC EXD

| 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 WILL TURN OFF THE SCADA CIRCUIT WILL REMAIN CLOSED UNTIL THE LOR IS ROTATED BACK TO THE RESET POSITION.

FIGURE B - TRIP POSITION



DESCRIPTION

7605D 125VDCEXD