

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

RR.

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

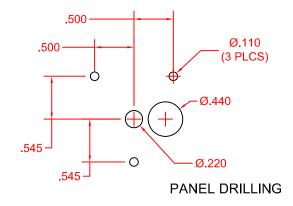
INSULATION RESISTANCE: 100 MEGOHMS INITIAL

CONTACT RESISTANCE: 10 MILLIOHMS MAX. INITIAL

		POSITION	
DECK	CONTACTS	TRIP	RESET
	11 ⊶		\times
1	12 ⊶	\boxtimes	
'	15 ──────── 17		Х
	16 ⊶	\bowtie	
	21 • 1 23		Х
2	22 • 1 28	\bowtie	
_	25 ⊶		Х
	26 ⊶	\bowtie	
	31 •		Х
3	32 ⊶	\bowtie	
"	35 ⊶Ⅱ── 37		X
	36 ⊶	\boxtimes	
	41 • 43		\times
4	42 ⊶	\boxtimes	
4	45 ⊶Ⅱ──Ⅱ── 47		\times
	46 ⊶Ⅱ─Ⅱ─ 44	\boxtimes	

		POS	TION
DECK	CONTACTS	TRIP	RESET
	51 •───────── 53		\boxtimes
5	52 ⊶	\bowtie	
3	55 ─────── 57		\bowtie
	56 ⊶	\bowtie	
	61 • 1 63		\bowtie
6	62 ⊶	\boxtimes	
"	65 ⊶		\bowtie
	66 ⊶	\bowtie	
	71 ⊶		\boxtimes
_	72 ⊶	\boxtimes	
7	75 ⊶		\bowtie
	76 ⊶⊩	\boxtimes	
	81 • 1 • 83		\bowtie
8	82 ⊶	\boxtimes	
l °	85 ⊶		\boxtimes
	86 ⊶Ⅱ──Ⅱ── 84	\boxtimes	





7608D 125VDCDXAWPPTT **WIRING NOTES** JUMPER (DK TO DK) G TO TB8 F TO TB7 JUMPER (DK TO DK) TO TB3 JUMPER (DK TO DK) В **BLUE WIRE** TO TB8 WHTE WIRE TO TB7 RED WIRE TO TB4 **ORANGE WIRE** TO TB3 **BLACK WIRE** TO TB 6 +125 VOLT DC TO TB4 +125 VOLT DC TO SWITCH S1 BLUE - 125 VOLT DC TO В SWITCH S1 TO G **BROWN WIRE** TB1 SCADA TO **GRAY WIRE** TO TB2 SCADA GRAY BROWN 125 VDC 0 BLACK BLACK ORANGE WHITE S1 -G В MOLEX PLUG/RECEPTACLE ASSEMBLY F С BROW GRAY TB1 TB2 TB8 ORANGE **SWITCH TB3 TERMINAL BOARD** RED TB4 **TB7** TB6 TB5 BLUE PART NUMBER 7608D 125VDCDXAWPPTT

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LOCK-OUT RELAYS (LOR)

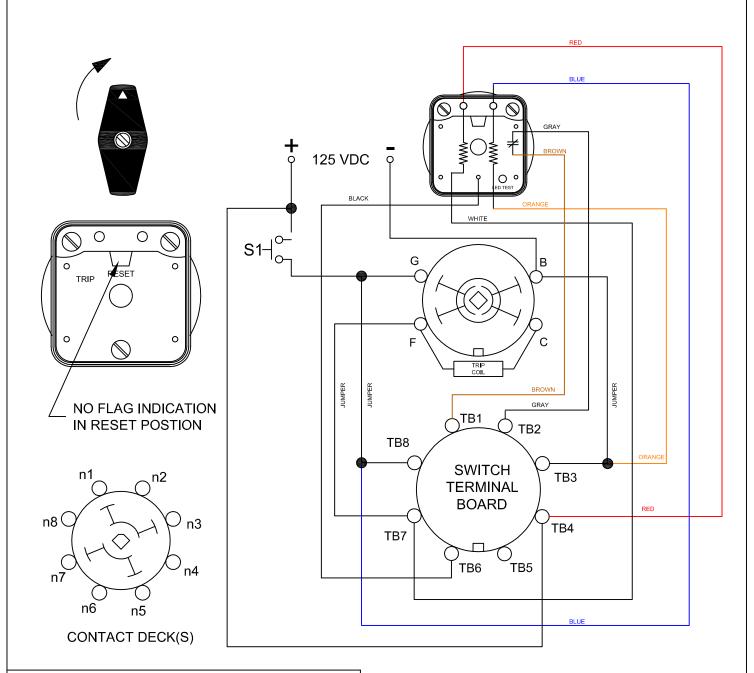
GENERAL OPERATION:

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

RESULT		BY PRESSING THE
LEFT LED	ON	LED TEST BUTTON, BOTH THE LEFT AND RIGHT LED
RIGHT LED	OFF	WILL ILLUMINATE UNTIL RELEASING
SCADA CIRCUIT TRIP COIL MONITOR)	OPEN	THE BUTTON

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



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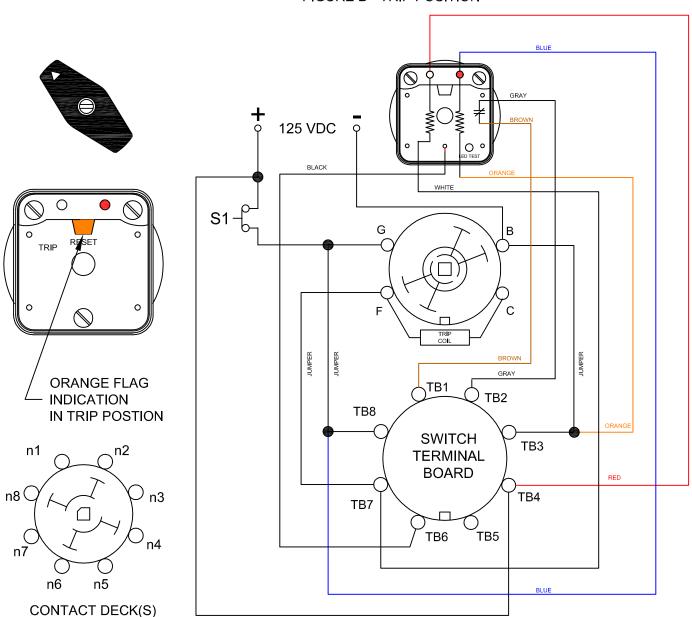
WHEN S1 CLOSES, THE COIL CAUSES A MECHANICAL ROTATION OF THE RELAY RESULTING IN THE SWITCH ROTOR ADVANCE TO THE "TRIP" POSITION SHOWN

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

RESULT	
LEFT LED	OFF
RIGHT LED	ON
SCADA SWITCH	CLOSED

BY PRESSING THE
LED TEST BUTTON,
BOTH THE LEFT
AND RIGHT LED
WILL ILLUMINATE
UNTIL RELEASING
THE BUTTON

FIGURE B - TRIP POSITION



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REV -



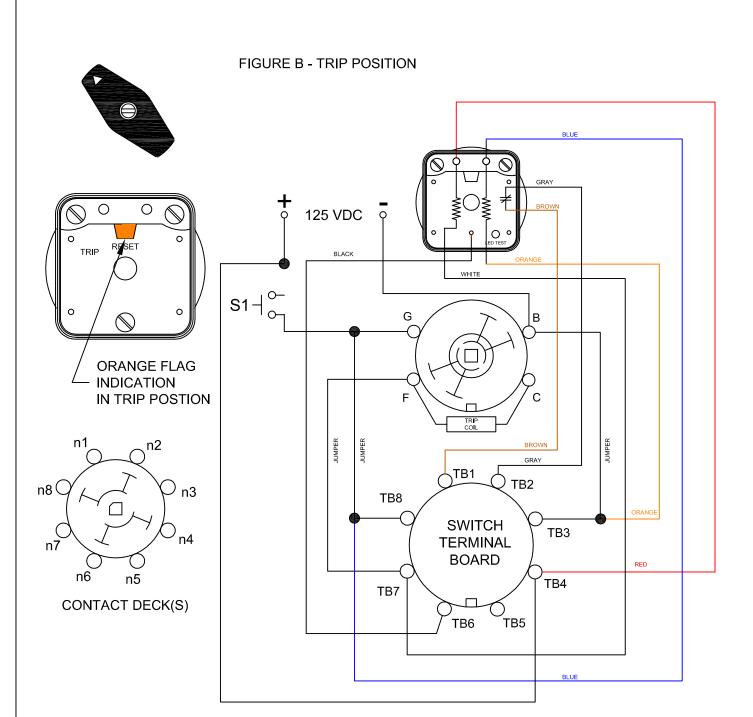
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WHEN S1 OPENS BACK, THE SCADA CIRCUIT WILL REMAIN CLOSED UNTIL THE LOR IS ROTATED BACK INTO THE RESET POSITION.

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

RESULT		E
LEFT LED	OFF	Ē
RIGHT LED	OFF	ľ
SCADA SWITCH	CLOSED	ו

BY PRESSING THE LED TEST BUTTON, BOTH THE LEFT AND RIGHT LED WILL ILLUMINATE UNTIL RELEASING THE BUTTON



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REV -



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