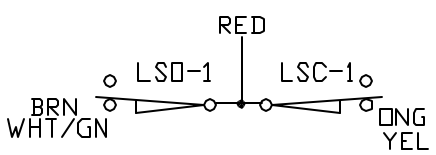
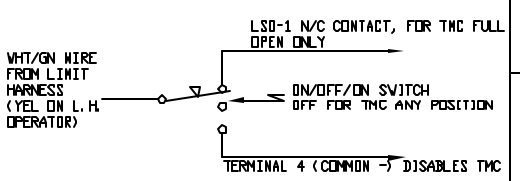
CONNECTION BOARD INPUTS

TRANSFORMER POWER 24VAC	BLUE	X2
	YELLOW	X1
4	OPEN	1
4	CLOSE	3
4	STOP	2
2	RESET	2A
4	ONE BUTTON	5
4	CLOSING OBSTRUCTION	51
4	OPENING OBSTRUCTION	50
4	REVERSING	6
4	SHADOW LOOP	11

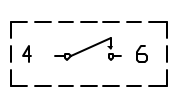
LIMIT SWITCHES



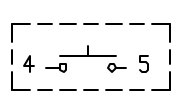
LIMITS SHOWN IN RIGHT HAND OPERATOR, LEFT HAND REVERSES OPEN AND CLOSE COLORS



FIELD WIRING OF REMOTE TMC SWITCH

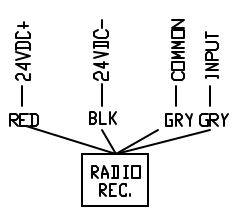


REVERSING DEVICE

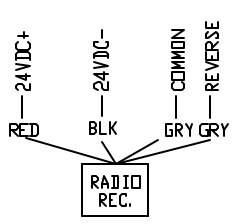


SINGLE BUTTON

4 WIRE RADIO RECEIVER CONN. TO OPEN/CLOSE



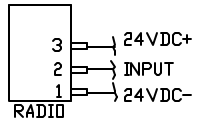
4 WIRE RADIO RECEIVER CONN. TO REVERSE



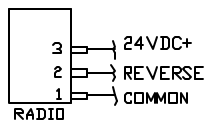
CONNECTION BOARD INPUTS

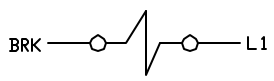
	ON CONTROL BOARD
60	RUN ALARM RELAY
61	
62	OBSTRUCTION ALARM RELAY
63	
18	LOCK RELAY
17	
19	
24VDC-	(-) COMMON
24VDC+	(+) 24VDC (FUSED)
24VAC N	24VAC NEUTRAL
24VAC	24VAC (FUSED)

3 WIRE RECEIVER CONN. TO OPEN/CLOSE

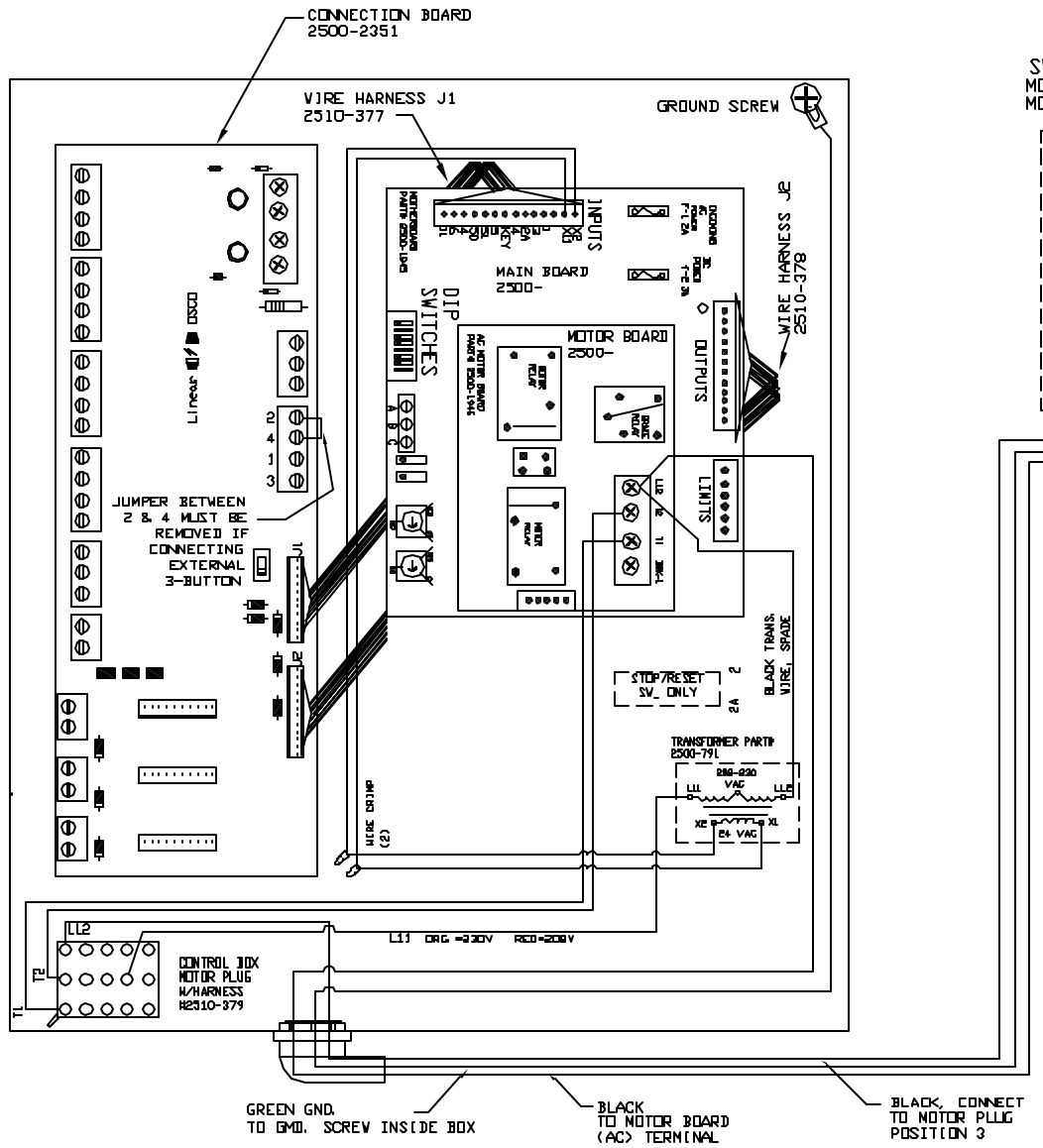


3 WIRE RECEIVER CONN. TO REVERSE

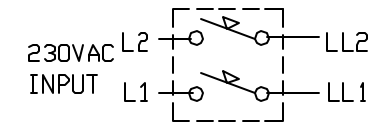




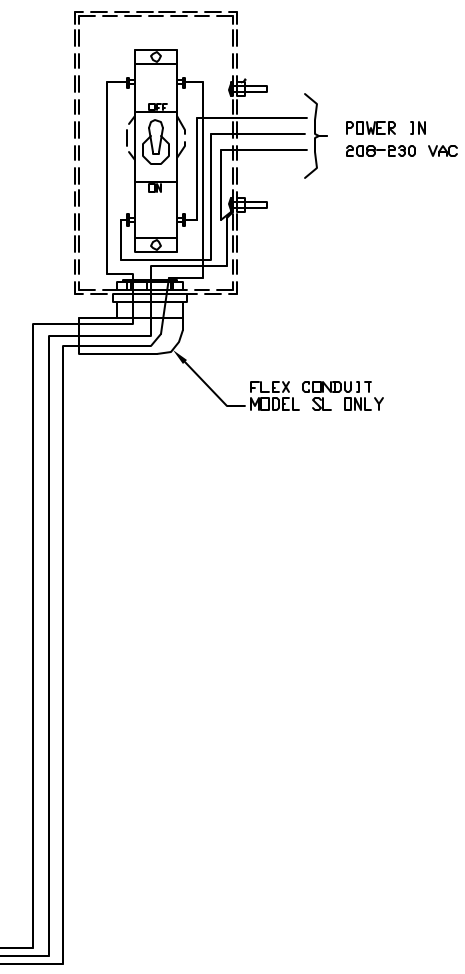
BRAKE CONNECTIONS (IF APPLICABLE)



POWER DISCONNECT SWITCH



SWITCH ASSEMBLY
MOD. SW -2510-384
MOD. SL -2510-390



ADDITIONAL ACCESSORIES CONNECTIONS SHOWN IN THE INSTALLATION GUIDE MANUAL

1 DIP SWITCH SELECTION

1) AUTO CLOSE TIMER ON/OFF
2) 3 SECOND PRE START ALARM ON/OFF
3) SINGLE BUTTON RESPONSE, ON= OPEN, STOP, CLOSE, STOP, ETC... OFF IS OPEN UNLESS FULLY OPEN, THEN CLOSE

4) RIGHT/LEFT HAND SWITCH, ON=LEFT HAND
5) NOT USED
6) ON= 3 SECOND REVERSE DELAY.
   1 SECOND BRAKE DELAY
7) NOT USED
8) MASTER=OFF, SLAVE=ON

2 CLOSE CURRENT LIMIT ADJUST

START GATE CLOSING, IF GATE REVERSES UPON INITIAL START-UP, TURN POT CLOCKWISE 1 TURN AT A TIME UNTIL GATE WILL CONTINUE MOVING, THEN TURN COUNTERCLOCKWISE UNTIL GATE REVERSES, TURN BACK CLOCKWISE 1-1/2 TURNS. RUN GATE SEVERAL TIMES TO CHECK FOR FALSING, TRIM BY 1/4 TURNS UNTIL GATE REVERSES WITH NO MORE THAN 70 LBS RESISTANCE FOR SLIDE GATE, OR 40 LBS ON SWING GATES.
NOTE
STOP BUTTON MUST BE PRESSED AFTER EACH REVERSAL.

3 OPEN CURRENT LIMIT ADJUST

SAME AS CLOSE ADJUST, WITH GATE MOVING IN OPEN DIRECTION.

4 MAXIMUM RUN TIME ADJUST

SET TO 15 SECONDS LONGER THAN THE GATE TAKES TO COMPLETE FULL TRAVEL. RANGE IS 15-100 SECONDS

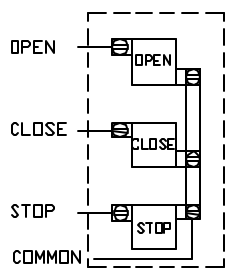
5 AUTO CLOSE TIME ADJUST

THIS WILL CLOSE A FULLY OPEN GATE AFTER SET TIME IF DIP SWITCH #1 IS ON. RANGE IS 0-125 SECONDS.

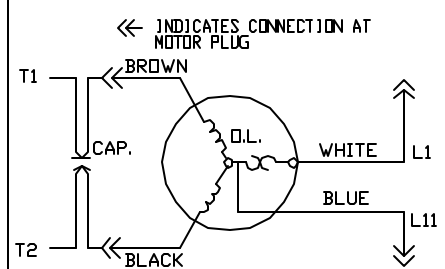
6 MASTER/SLAVE CONNECTION

USE BELDEN 8760 TWISTED PAIR SHIELDED CABLE OR EQUIVALENT ONLY, OSCO P/N 2500-1982 (PER FOOT) CONNECT A&B TO LIKE TERMINALS IN SLAVE OPERATOR, CONNECT SHIELD TO C IN BOTH UNITS

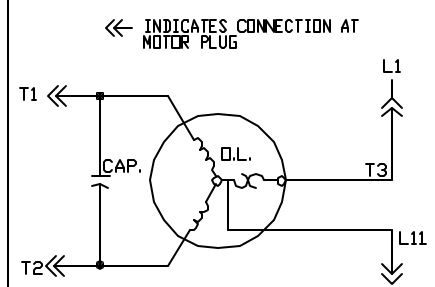
REMOVE JUMPER BETWEEN 2 & 4 IF USING A REMOTE 3 BUTTON STATION!



REMOTE 3-BUTTON STATION

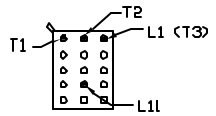


SLR-SVR MOTOR CONNECTIONS



SLC-SWC MOTOR CONNECTIONS

15 PIN PLUG MALE 2500-903
CONTACT PIN MALE 2500-905

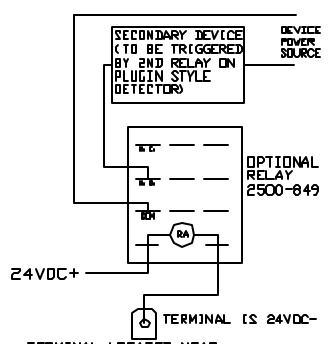


MOTOR PLUG

(LOOKING INTO PIN END OF MOTOR PLUG)

LOOP DETECTOR 2ND RELAY CONNECTION

CONSULT LOOP DETECTOR MANUAL FOR CONFIGURATION OF 2ND RELAY



TERMINAL LOCATED NEAR CONNECTION BOARD PLUGIN FOR LOOP DETECTOR

REVISIONS

CODE	DESCRIPTION	BY	DATE	ECN
A	CHANGED SWITCH 5 & 6	KDW	8-7-06	

UNLESS OTHERWISE SPECIFIED CUSTOMER DIMENSIONS ARE IN INCHES
TOLERANCES: FRACTIONS ± 1/32
ANGLES ± 1°
2 PLACE DECIMALS ± .015
3 PLACE DECIMALS ± .005

MATL. PROC.

PROJECT

	BY	DATE
PREPARED	LH	3/30/03
CHECKED		
APPROVED		

NEXT ASSY.

OPERATOR SPECIALTY CO., INC
CASNOVIA, MI 49318
1-800-333-1717 / 616-675-5050

OSCO

208/230V 1Ø CONTROLLER HSLG, GSLG-A, SLG, MSG-A, SWG, GSWG, SLR, SLC, SWR, SWC

SIZE	TAKEN FROM	DWG. NO.
D	2600-544 2600-517	2600-545

SCALE | REV. | SHEET | OF