



CONTROL ADJUSTMENTS:

- OPEN SPEED** - SELECTS DESIRED SPEED FOR INITIAL OPENING DISTANCE. SUGGEST INITIAL SETTING OF '9'.
- OPEN CHECK** - SELECTS SPEED DURING FINAL OPENING DISTANCE TO A POINT 1.5' FROM FULLY OPEN. SUGGEST INITIAL SETTING OF '3'.
- CLOSE SPEED** - SELECTS CLOSING SPEED DURING INITIAL CLOSING. SUGGEST INITIAL SETTING OF '0'.
- CLOSE CHECK** - SELECTS CHECK SPEED DURING FINAL CLOSING DISTANCE, TO A POINT 1.5' FROM FULLY CLOSED. SUGGEST INITIAL SETTING OF '6'.
- CUSHION** - SELECTS THE SPEED DURING THE FINAL 1.5" OF OPENING AND CLOSING. SUGGEST INITIAL SETTING OF '4'.
- TIME DELAY** - SELECTS THE TIME THE CONTROL WILL HOLD THE DOOR OPEN AFTER REMOVAL OF THE ACTUATING SWITCH INPUT. ADJUSTABLE FROM 1 TO 60 SEC.
- REVERSING SENSITIVITY** - THIS ADJUSTS THE SENSITIVITY OF THE REVERSING CIRCUIT TO OBSTRUCTIONS IN THE CLOSING PATH OF THE DOOR.
- CODE SW A & B** - SELECTS THE DESIRED OPERATOR STROKE (DOOR OPENING). REFER TO ACCOMPANYING CHART FOR CORRECT SETTING.
- JUMPER BLOCK W1** - REMOVE TO INDICATE OPERATOR IS A SINGLE SLIDE (CORRECTLY ADJUSTS PARTIAL OPENING).
- JUMPER BLOCK W2** - REMOVE TO ENABLE AUTOSEAL (WHILE CLOSED, UNIT WILL POWER CLOSED EVERY 20 SECONDS TO INSURE PROPER SEAL.)
- JUMPER BLOCK W3** - REMOVE TO IGNORE INPUTS DURING INITIALIZATION.
- JUMPER BLOCK W4** - REMOVE FOR OPERATOR STROKES GREATER THAN 48".

LEDs:

ACT - GREEN - INTERIOR MOTION DETECTOR ACTUATED
TH - RED - EXTERIOR MOTION DETECTOR ACTUATED
SBM - YELLOW - PHOTOELECTRIC SAFETY BEAMS ACTUATED
BW - GREEN - TOGGLE SWITCH (AND SO CUTOFF SWITCHES) 'ON'
TEST - RED - MICROPROCESSOR CONTROLLED - PROVIDES INDICATION OF DOOR STATUS
SR - YELLOW - CLOSE MONITOR SWITCH 'ON'
ALK - GREEN - AUTOLOCK ENERGIZED (IF PRESENT)
BRAKING - RED - INDICATES CONTROL IS SHUNTING MOTOR TO DECELERATE DOOR. WILL REMAIN ON AT BEGINNING OF OPEN CHECK UNTIL DOOR VELOCITY IS BELOW 6" / SEC.

OPERATION:

UPON POWER-UP, OR AFTER PRESSING RESET, THE RED TEST LED WILL BLINK 4 TIMES, INDICATING THE MICROPROCESSOR IS FUNCTIONING. THE OPERATOR WILL THEN LOOK FOR THE CLOSE MONITOR SWITCH. IF NOT DETECTED, THE UNIT WILL POWER CLOSE AT SELECTED CLOSE CHECK SPEED; IF NO MOVEMENT IS DETECTED (BY ENCODER), THE CONTROL WILL AUTOMATICALLY INCREASE THE CLOSE CHECK SPEED UNTIL MOTION IS DETECTED, OR MAXIMUM CHECK SPEED 'F' IS ATTAINED. ONCE CLOSE MONITOR SWITCH IS DETECTED, SYSTEM IS FULLY FUNCTIONAL. IF AN OBSTRUCTION IS ENCOUNTERED DURING OPEN SPEED, THE CONTROL WILL SWITCH TO OPEN CHECK SPEED; IF OBSTRUCTION IS STILL PRESENT, THE OPEN CHECK SPEED IS AUTOMATICALLY INCREASED UNTIL DOOR MOVEMENT IS RESUMED, OR MAXIMUM CHECK SPEED 'F' IS ATTAINED. IF THE OBSTRUCTION IS STILL PRESENT, THE MOTOR IS TURNED OFF, AND THE UNIT WAITS UNTIL THE ACTUATING SIGNALS ARE REMOVED BEFORE ATTEMPTING CLOSING. IF AN OBSTRUCTION IS ENCOUNTERED DURING CLOSE SPEED, AND THE REVERSING CIRCUIT DOES NOT TRIP, THE CONTROL WILL SWITCH TO CLOSE CHECK SPEED. IF OBSTRUCTION IS STILL PRESENT, THE CLOSE CHECK SPEED IS AUTOMATICALLY INCREASED UNTIL DOOR MOVEMENT IS RESUMED, OR REVERSING CIRCUIT RESPONDS, OR MAXIMUM CHECK SPEED 'F' IS ATTAINED. A SIMILAR RESPONSE OCCURS TO AN OBSTRUCTION IN CLOSE CHECK.

TESTS:

SELF-CYCLE - TURNING DIP SWITCH #1 ON AND PRESSING RESET WILL CAUSE THE DOOR TO AUTOMATICALLY CYCLE OPEN & CLOSED CONTINUOUSLY UNTIL DIP #1 IS TURNED 'OFF'.

ENCODER DIAGNOSTIC - SET CUSHION TO '0'. PRESS RESET & CLEAR SIMULTANEOUSLY. RELEASE RESET & CONTINUE HOLDING CLEAR UNTIL RED TEST LED BLINKS 4 TIMES. RELEASE CLEAR. AS THE DOOR IS SLOWLY MOVED OPEN, THE RED TEST & GREEN ALK LEDs SHOULD SEQUENTIALLY INDICATE THE FOLLOWING STATES - BOTH 'OFF'; RED 'ON' / GREEN 'OFF'; BOTH 'ON'; RED 'OFF' / GREEN 'ON'; BOTH 'OFF'; ETC. THE SEQUENCE IS REVERSED WHEN CLOSING THE DOOR. SLOWLY MOVE DOOR AND CHECK A MINIMUM OF 8 CYCLES. IF ERRATIC, INSPECT ALIGNMENT OF ENCODER OPTIC & ENCODER DISK LOCATED ON THE REAR OF THE MOTOR. PRESS RESET TO RETURN TO NORMAL OPERATION.

PARTIAL OPEN DIMENSION:

OPENING	DIP#4	DIP#5	DIP#6
24"	OFF	OFF	OFF
26"	OFF	OFF	ON
28"	OFF	ON	OFF
30"	OFF	ON	ON
33"	ON	OFF	OFF
36"	ON	OFF	ON
40"	ON	ON	OFF
48"	ON	ON	ON

OPEN CHECK POINT (% OF OPENING):

POINT	DIP#7	DIP#8
50%	OFF	OFF
60%	OFF	ON
70%	ON	OFF
80%	ON	ON

