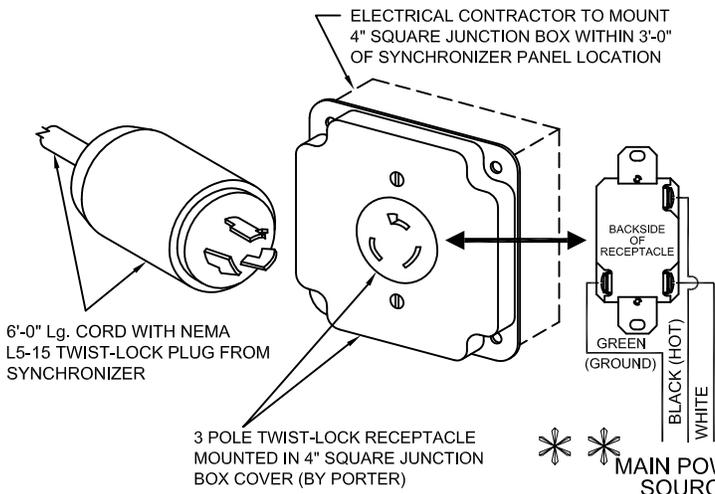


# E-2080-2-M - WIRING DETAIL

## FIELD WIRING INSTRUCTIONS FOR No. 2084-5 CURTAIN ELECTRIC OPERATOR

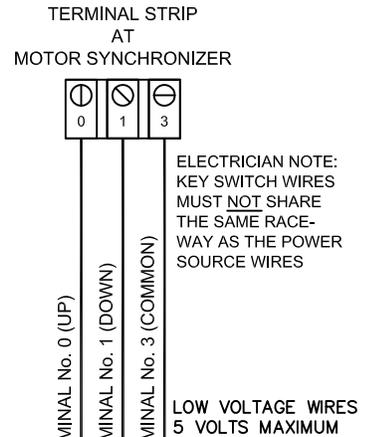
### ELECTRIC MOTOR SYNCHRONIZER / KEY SWITCH WIRING DETAILS & REQUIREMENTS

\* \* The minimum wire size is dependent on the motor voltage, motor full-load amperage rating, and the **TOTAL** distance from the circuit breaker panel to the receptacle. Consult **VOLTAGE DROP CALCULATION TABLES** to determine the minimum wire size.

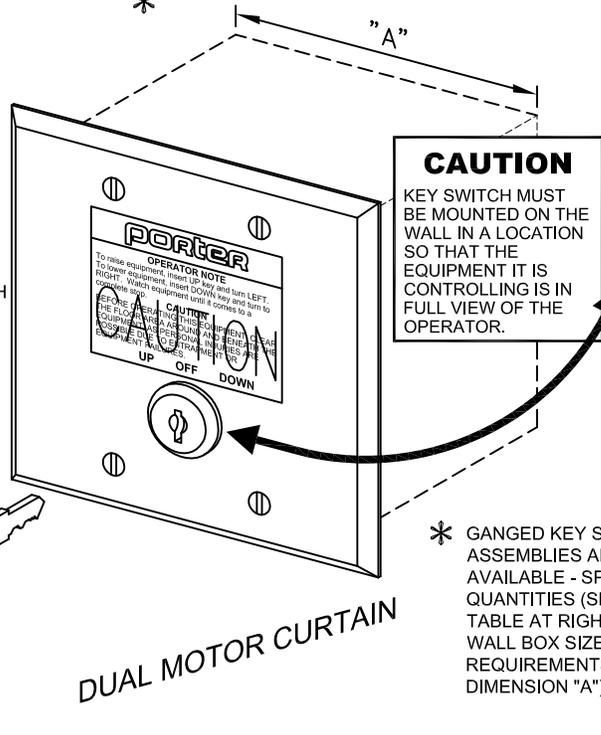


#### WIRING AT POWER SOURCE JUNCTION BOX

INDIVIDUAL KEY SWITCH MOUNTED IN A STANDARD 4 1/2" SQUARE FLUSH-MOUNTED STAINLESS STEEL COVER PLATE FOR MOUNTING IN A 4" SQUARE x 3 1/2" DEEP MASONRY BOX (RACO No. 696 OR EQUAL) BY ELECTRICAL CONTRACTOR. \*



MOMENTARY KEY SWITCH FURNISHED WITH TWO KEYS (UP AND DOWN) TO PREVENT THE POSSIBILITY OF INSTANTANEOUS REVERSING OF THE MOTOR, WHICH COULD RESULT IN OVERRIDING LIMIT SWITCHES OR PLACING UNDUE STRESS IN HOIST SYSTEM. DO NOT SEPARATE KEYS FROM EACH OTHER.



\* GANGED KEY SWITCH ASSEMBLIES ARE AVAILABLE - SPECIFY QUANTITIES (SEE TABLE AT RIGHT FOR WALL BOX SIZE REQUIREMENTS - DIMENSION "A").

KEY SWITCH QTY.	"A" BOX WIDTH	RACO MASONRY BOX No. (Or Equal)	RACO GANGABLE BOX No. (Or Equal)
1	3 3/4"	696	592 Qty. 2
2	7 3/8"	698	592 Qty. 4
3	11"	965	592 Qty. 6
4	14 5/8"	N/A	592 Qty. 8
5	18 1/4"	N/A	592 Qty. 10
6	21 1/8"	N/A	592 Qty. 12

#### WIRING AT WALL MOUNTED KEY SWITCH

**IMPORTANT NOTE** - PERFORMANCE OF WINCH IS BASED ON 115 VOLTS AT MOTOR TERMINALS. VOLTAGES LESS THAN 115 VOLTS WILL AFFECT HOISTING CAPACITY AND RESULT IN DAMAGE TO MOTOR, THUS VOIDING WARRANTY. **SUBSTITUTION** OF THIS KEY SWITCH WILL VOID ALL WARRANTIES AND WILL RENDER THE OPERATION OF BACKSTOPS / CURTAINS UNSAFE.



PROJECT NUMBER

PROJECT NAME