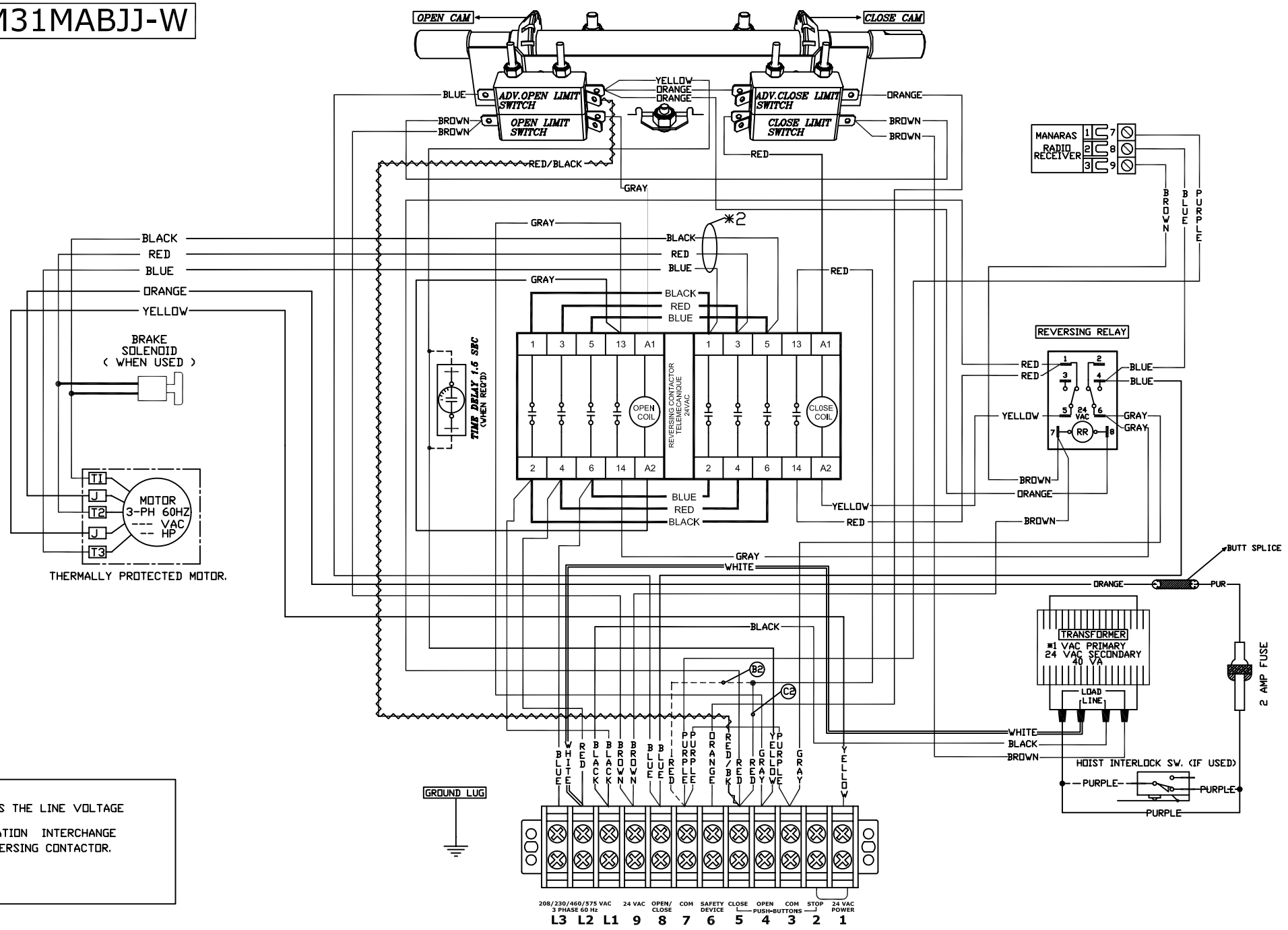
DRAWING-M31MABJJ-W



NOTE:-
*1. TRANSFORMER IS SAME AS THE LINE VOLTAGE

*2. TO REVERSE MOTOR ROTATION INTERCHANGE ANY TWO WIRES ON REVERSING CONTACTOR.

1 ON SITE MODIFICATIONS

NOTE- C2 / B2

C2 ⇨ B2

1A REMOVE THE RED WIRE WITH RAPID CONNECTOR FROM TERMINAL #5, AND TRANSFER IT TO TERMINAL #7.

B2 ⇨ C2

1B REMOVE THE RED WIRE WITH RAPID CONNECTOR FROM TERMINAL #7, AND TRANSFER IT TO TERMINAL #5.

WARNING:

MOTORISED DOORS CAN CAUSE SERIOUS INJURIES OR DEATH. MANARAS STRONGLY RECOMMENDS THE USE OF ENTRAPMENT PROTECTION SYSTEMS, ESPECIALLY IN THE CASES OF MOMENTARY CONTACT TO CLOSE AS IN B2 WIRING OR TIMER TO CLOSE.

2 CONSTANT PRESSURE OPEN

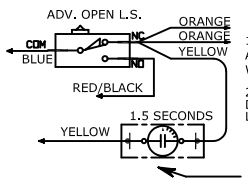
1. REMOVE THE GRAY WIRE FROM TERMINAL #3 AND PLACE IT ON TERMINAL # 4

3 WIRING FOR INSTANT STOP (ON SAFETY EDGE OR DEVICE)

1. REMOVE THE YELLOW WIRE FROM ADV. OPEN LIMIT SWITCH, AND CAP IT.

2. REMOVE THE BLUE WIRE FROM PIN # 4 OR REVERSING RELAY(RR) AND CAP IT.

4 ADDING A TIME DELAY ON REVERSE



1. REMOVE THE YELLOW WIRE FROM ADV. OPEN LIMIT SWITCH, CONNECT THIS WIRE TO ONE END OF TIME-DELAY.

2. FROM OTHER END OF THE TIME-DELAY, CONNECT BACK TO ADV. OPEN LIMIT SWITCH.

T.D. MODULE

5 CONSTANT PRESSURE OPEN & CLOSE- D1

PERFORM THE MODIFICATION EXPLAINED IN THE NOTES, 1B 2 AND 3

6 ANY OTHER OPTIONS

FOR ANY OTHER OPTIONS LIKE, TIMER TO CLOSE, MID-STOP WIRING, LONG DISTANCE MODULE, OR ANY OTHER SPECIAL LOGIC SEQUENCE PLEASE CONSULT MANARAS/OPERA.

LINE POWER

L1 L2 L3

POWER SUPPLY 208/230/460/575 VAC 3 Ph, 60 Hz.

24 VAC POWER

1 9

24 VAC POWER AVAILABLE 10VA MAX.

EXTERNAL INTERLOCK

1 2

FACTORY INSTALLED JUMPER REMOVE IF EXT. INTERLOCK IS USED.

SAFETY REVERSE

3 6

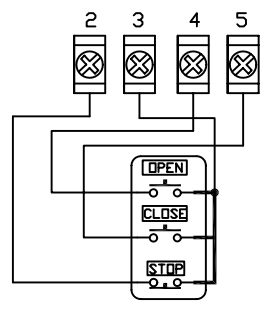
CONTACT FOR SAFETY EDGE/SAFETY DEVICE

OPEN/CLOSE COMMAND

7 8

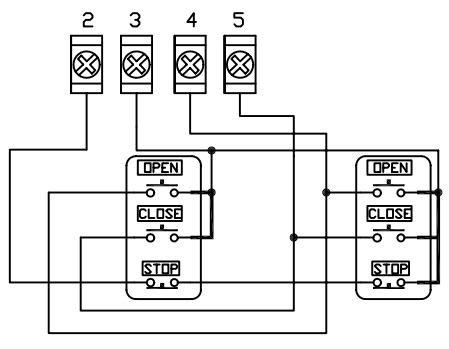
CONTACT FOR OPEN/CLOSE DEVICE.

PUSH-BUTTON STATION

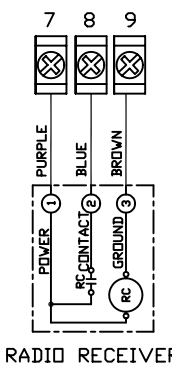


NOTE- PLACE A JUMPER BETWEEN TERMINAL 2 AND TERMINAL 3. IF STOP BUTTON IS NOT USED.

TWO PUSH-BUTTON STATION



RADIO CONTROL



RADIO RECEIVER

ATTENTION- USE 18AWG OR HIGHER FOR WIRING ALL EXTERNAL CONNECTIONS

WIRING DIAGRAM FOR, MCH/MCT/MTH/MTBH 208/460/575 VAC, 3 PHASE MOTORS

TITLE	DES	REV	DATE
M31MABJJ-W	BP	E	12. FEB. 2007

PROJECT

CLIENT

ENGINEER

DISTRIBUTOR

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