CHAMBERLAIN
LiftMaster
PROFESSIONAL

ADDENDUM
LOCK SENSOR (LOGIC 2)
Models: H and J

APPLICATION REQUIREMENTS:

This wiring modification is available to models H and J Logic operators.

FUNCTIONS:

This modification stops the operator from running when extra tension is sensed on the door from the mechanical door lock, obstruction or extensive binding.

OPERATION:

When unit senses load running open from close limit, Lock Sensor will stop operator. Press close button and run until it shuts off (to unlock door when load removed).

NOTE: Refer to addendum for wiring and locksensor adjustment, for all other installation instructions refer to owners manual supplied with operator.

LOCK SENSOR ADJUSTMENT

FINE ADJUSTMENT

- To increase opening force, tighten wing nut.
- To decrease opening force, loosen wing nut.

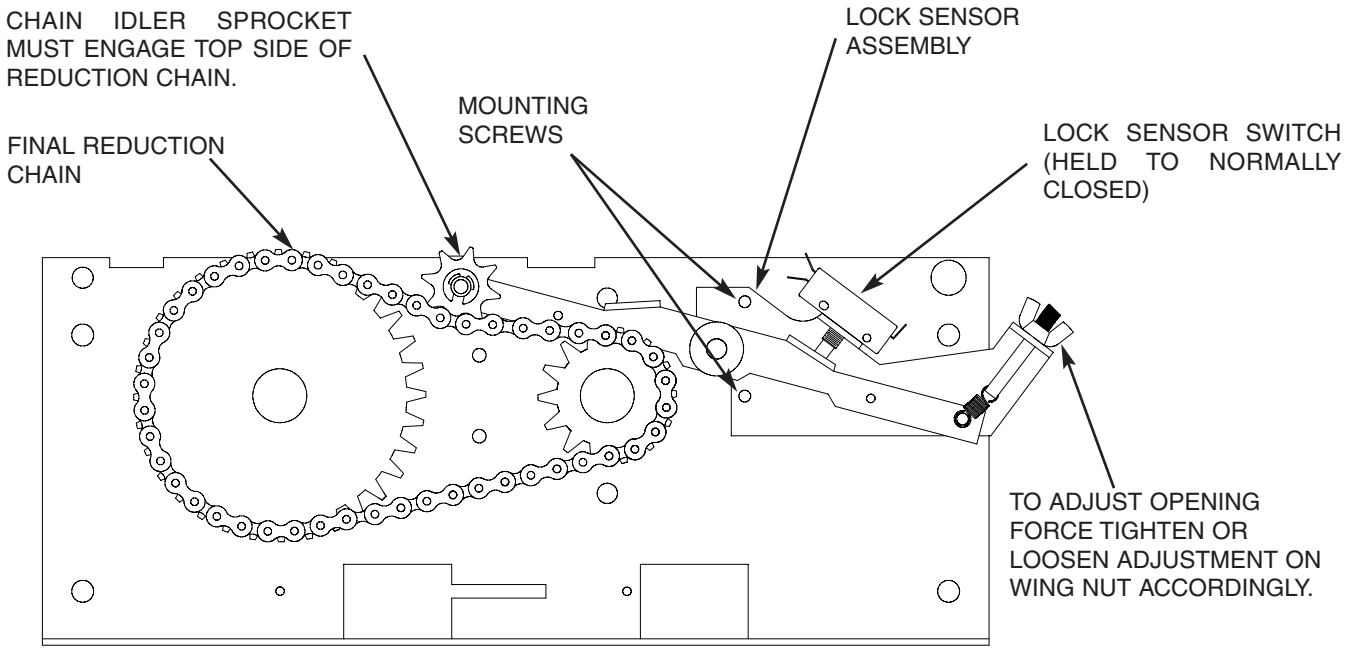
COURSE ADJUSTMENT (if required)

a. Release spring pressure on pivot arm.
b. Loosen but do not remove two mounting screws.
c. Fully tension final reduction chain and rotate lock sensor until switch is in activation mode.
d. Tighten two mounting screws to secure lock sensor position.
e. Repeat fine adjustments.

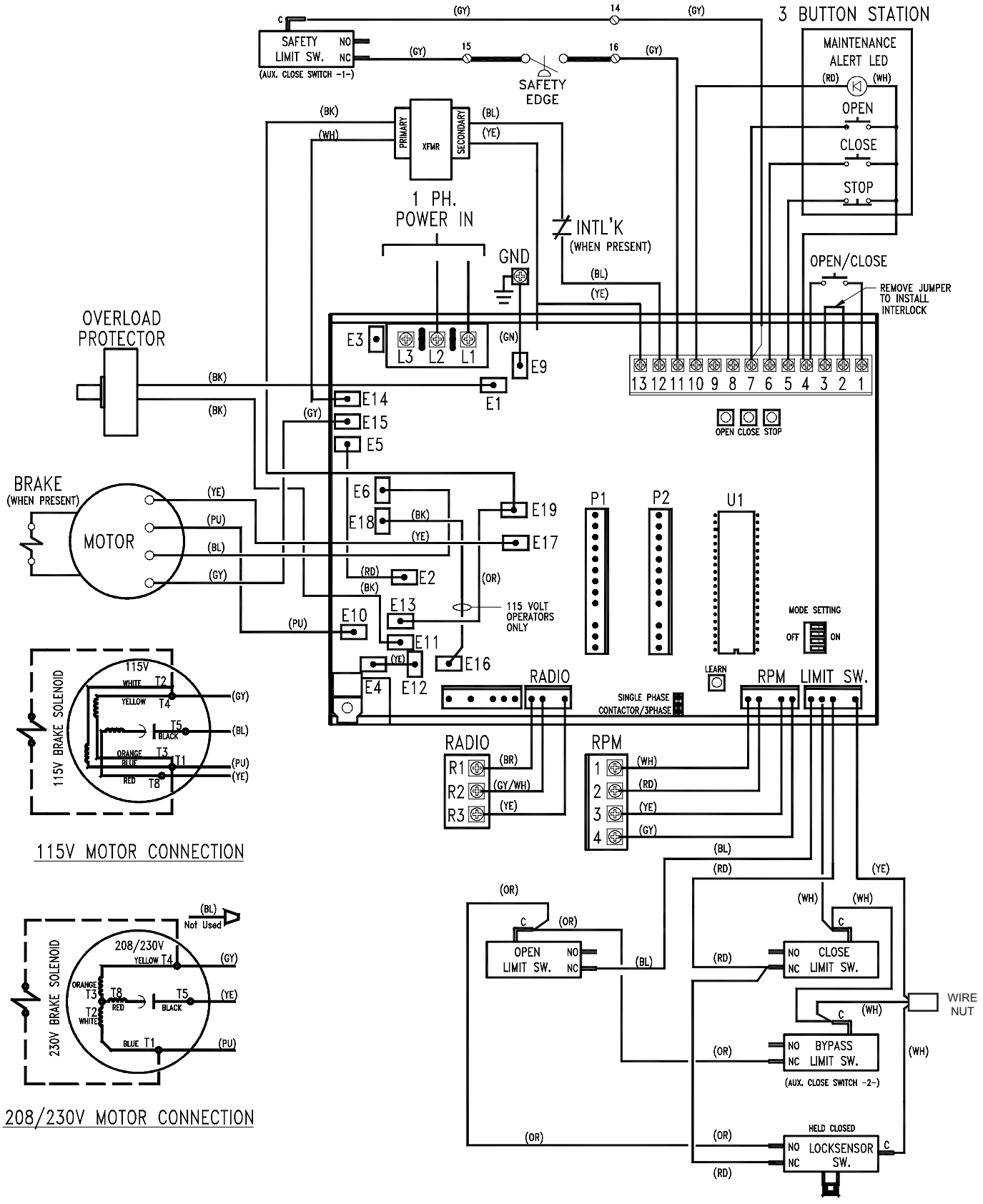
WARNING

TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER TO OPERATOR BEFORE ADJUSTING LOCK SENSOR.

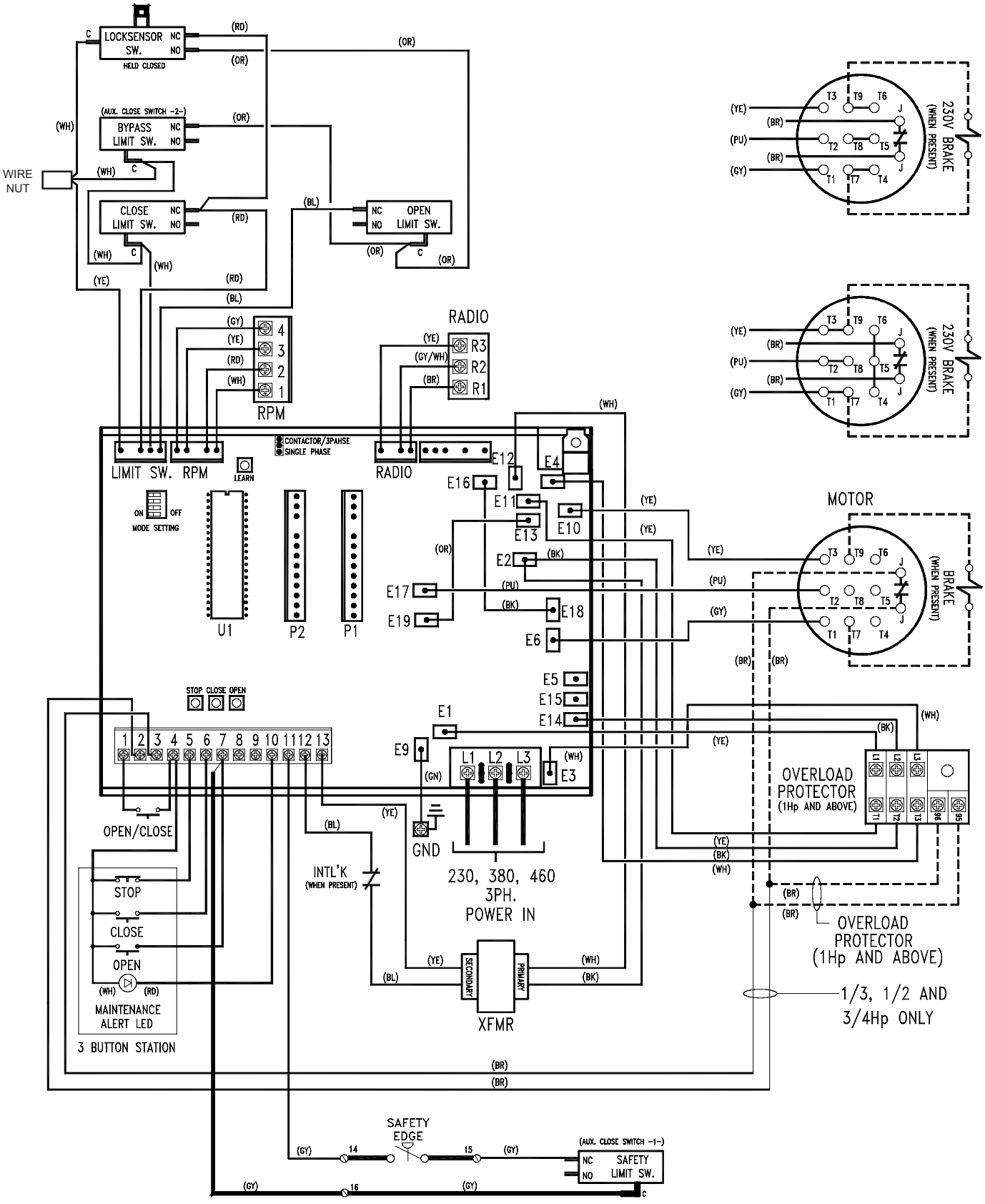
FIGURE 1



SINGLE PHASE SCHEMATIC



THREE PHASE SCHEMATIC



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LOCK SENSOR (C2/B2 WIRING)
WIRING DIAGRAM & INSTRUCTIONS
Model: H, J and H/J

APPLICATION REQUIREMENTS:

This wiring modification is available to models J and H/J Standard-Duty operators with 24VAC control circuits with "D1" type wiring.

FUNCTIONS:

This modification stops the operator from running when extra tension is sensed on the door from the mechanical door lock, obstruction or extensive binding.

OPERATION: When unit senses load running open from close limit, Lock Sensor will stop operator. Press close button and run until it shuts off (to unlock door when load removed).

LOCK SENSOR ADJUSTMENT

FINE ADJUSTMENT

- To increase opening force, tighten wing nut.
- To decrease opening force, loosen wing nut.

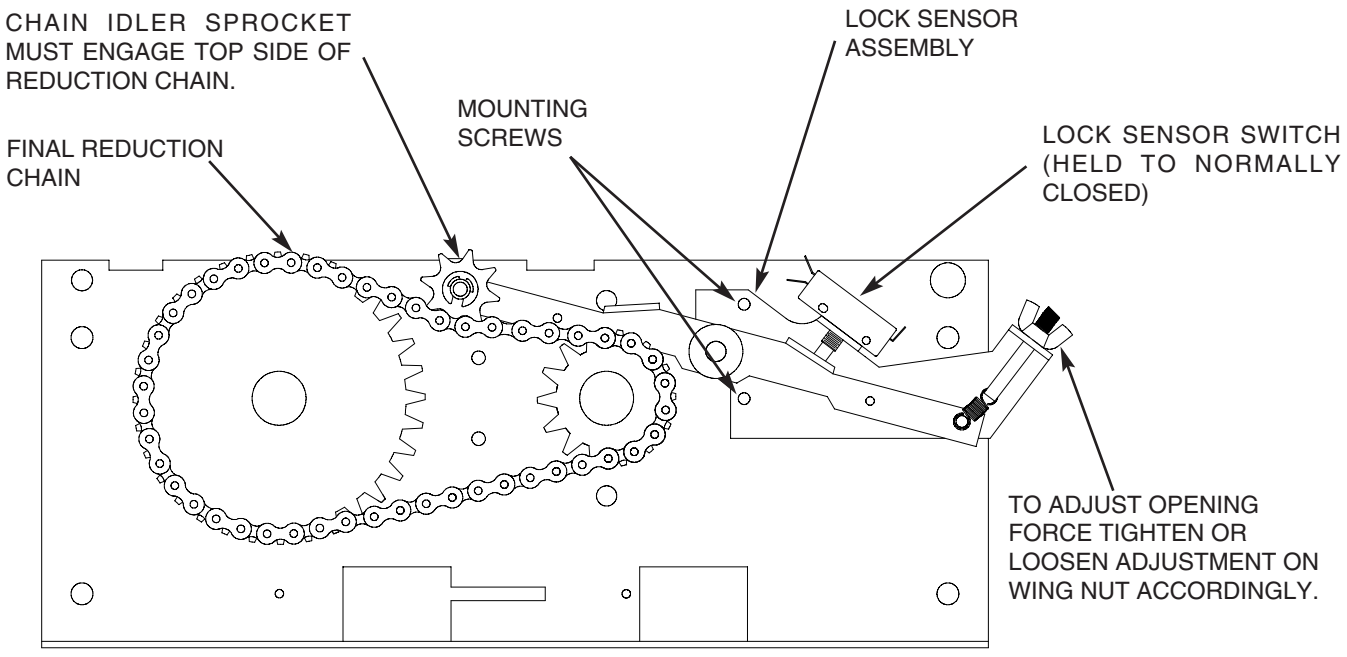
COURSE ADJUSTMENT (if required)

a. Release spring pressure on pivot arm.
b. Loosen but do not remove two mounting screws.
c. Fully tension final reduction chain and rotate lock sensor until switch is in activation mode.
d. Tighten two mounting screws to secure lock sensor position.
e. Repeat fine adjustments.

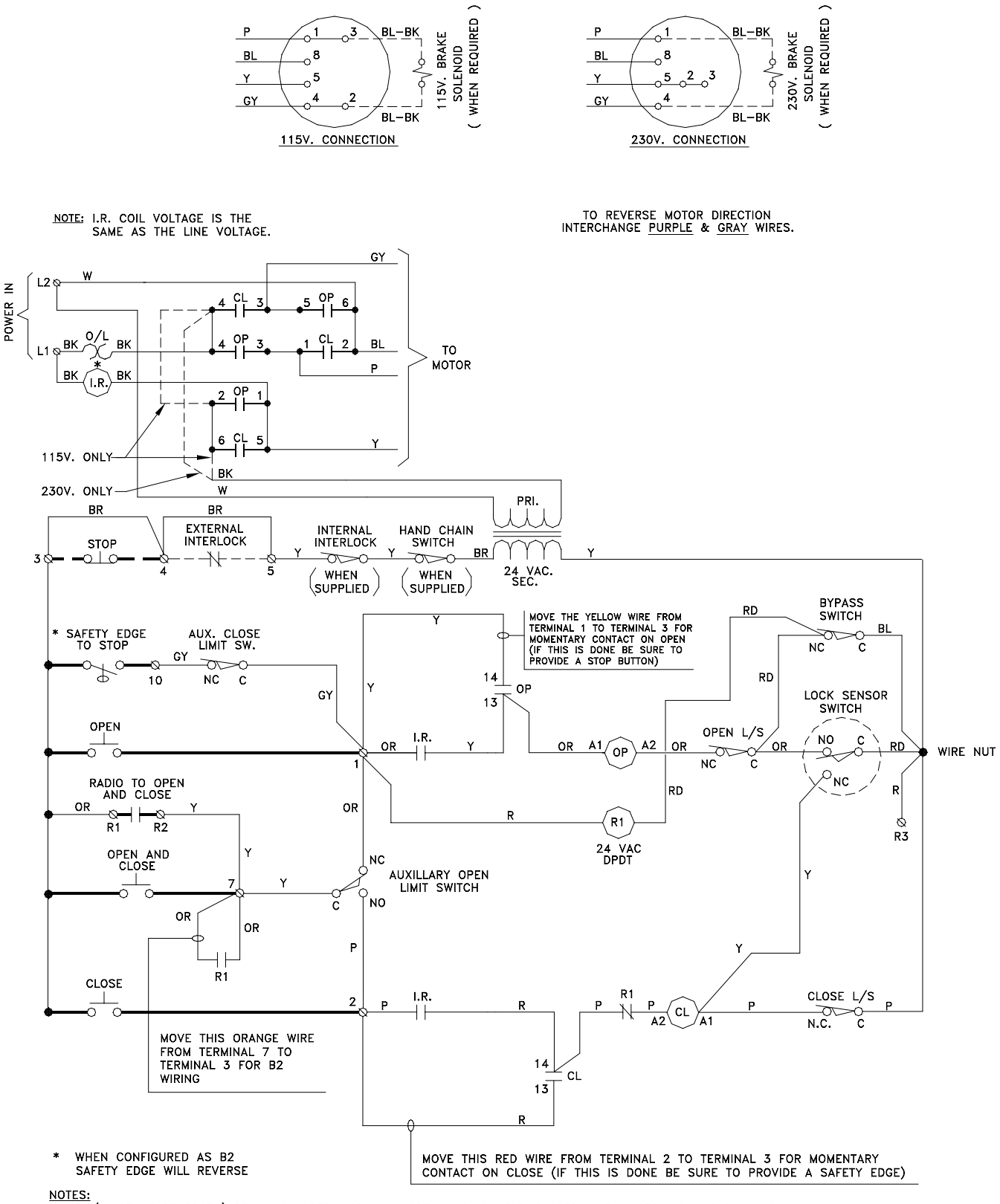
WARNING

TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER TO OPERATOR BEFORE ADJUSTING LOCK SENSOR.

FIGURE 1

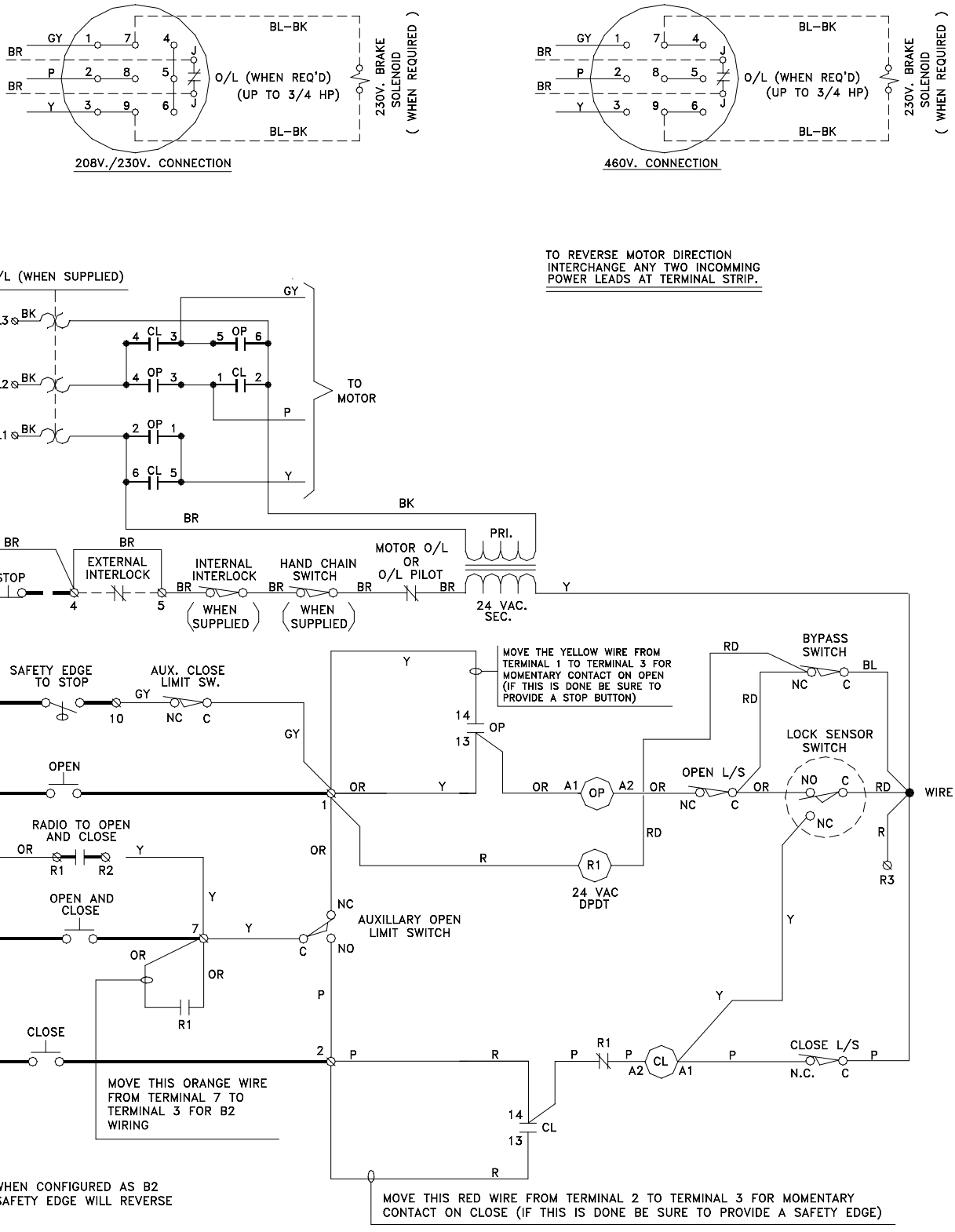


1PH SCHEMATIC DIAGRAM 1827-1



NOTES:
1– I.R. (INSTANT REVERSE) RELAY IS WIRED NORMALLY OPEN AND IS HELD CLOSED WHEN MOTOR IS NOT RUNNING.

3PH SCHEMATIC DIAGRAM 1827-3



CONTROL CONNECTION DIAGRAM

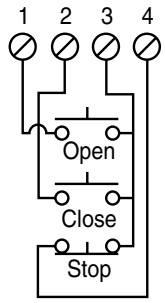
IMPORTANT NOTES:

1) The 3-Button Control Station provided must be connected for operation.
2) If a STOP button is not used, a jumper must be placed between termianls 3 and 4.
3) Auxiliary control equipment may be any normally open two wire device such as pullswitch, single button, loop detector, card key or such device.

ATTENTION ELECTRICIAN:
USE 16 GAUGE OR HEAVIER WIRE FOR ALL CONTROL CIRCUIT WIRING.

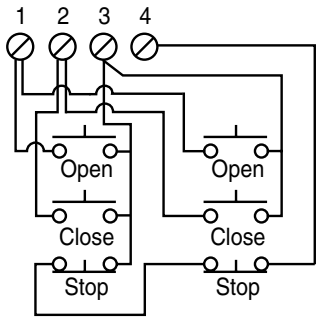
3 BUTTON STATION or 3 POSITION KEYSWITCH w/ SPRING RETURN TO CENTER AND STOP BUTTON

STANDARD



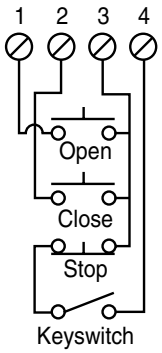
ALL CONTROL WIRING TYPES

2 OR MORE



ALL CONTROL WIRING TYPES

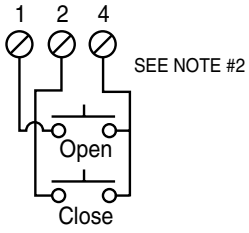
KEY LOCKOUT



ALL CONTROL WIRING TYPES

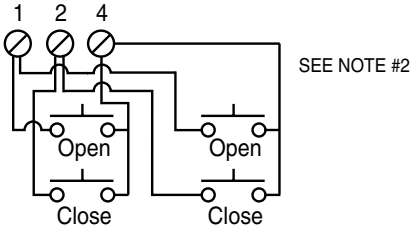
2 BUTTON STATION or 3 POSITION KEYSWITCH w/ SPRING RETURN TO CENTER

STANDARD



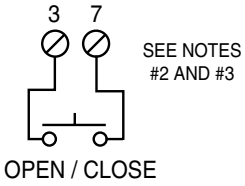
ALL CONTROL WIRING TYPES

2 OR MORE



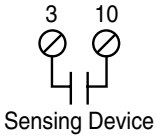
ALL CONTROL WIRING TYPES

1 BUTTON STATION or ANY AUXILIARY DEVICE



B2 or T1
WIRING TYPES ONLY

SENSING DEVICE TO REVERSE OR STOP

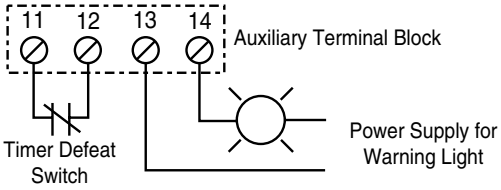


ALL CONTROL WIRING TYPES

*

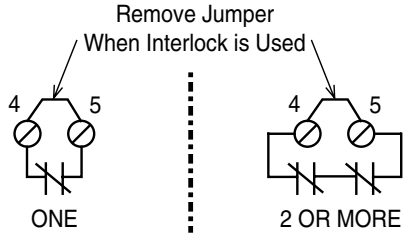
TIMER TO CLOSE w/ WARNING LIGHT

Warning Light will activate 15 sec. before door closes.



T1 CONTROL WIRING ONLY

EXTERNAL INTERLOCK



ALL CONTROL WIRING TYPES

Lift-Master
The Professional Line

LOCK SENSOR (D1 WIRING)
WIRING DIAGRAM & INSTRUCTIONS
Model: H, J and H/J

APPLICATION REQUIREMENTS:

This wiring modification is available to models J and H/J Standard-Duty operators with 24VAC control circuits with "D1" type wiring.

FUNCTIONS:

This modification stops the operator from running when extra tension is sensed on the door from the mechanical door lock, obstruction or extensive binding.

OPERATION: When unit senses load running open from close limit, Lock Sensor will stop operator. Press close button and run until it shuts off (to unlock door when load removed).

LOCK SENSOR ADJUSTMENT

FINE ADJUSTMENT

- To increase opening force, tighten wing nut.
- To decrease opening force, loosen wing nut.

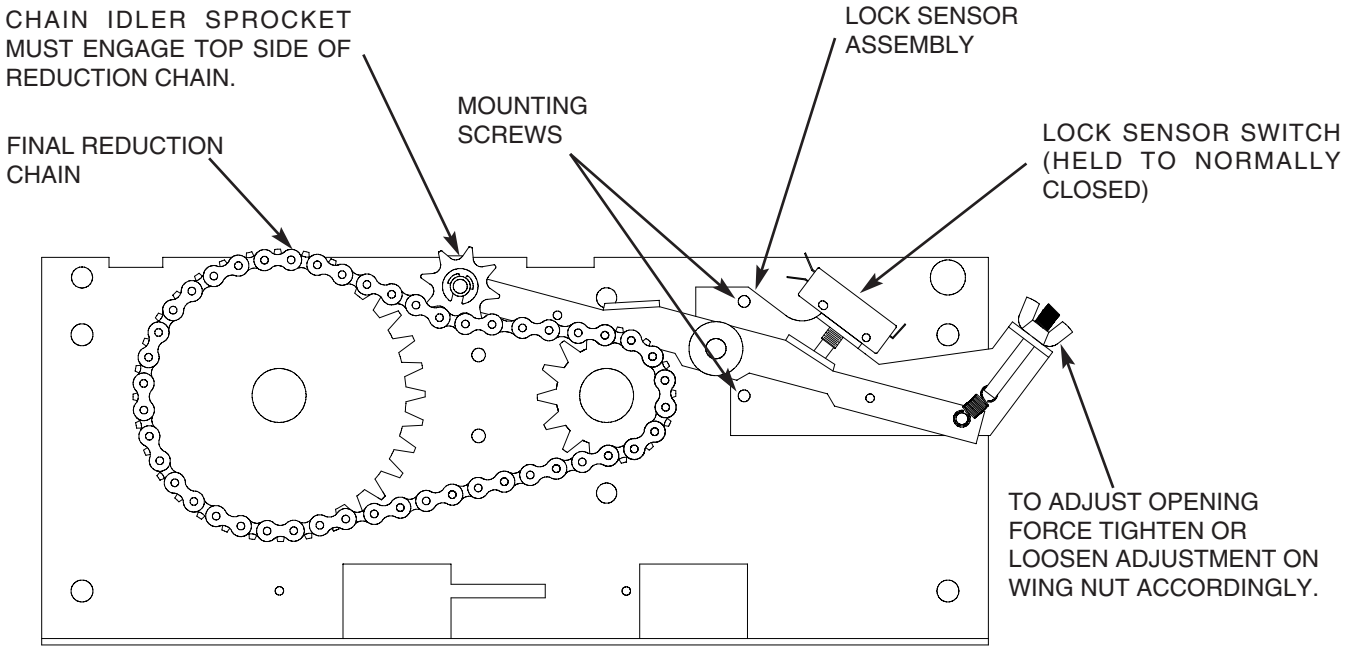
COURSE ADJUSTMENT (if required)

a. Release spring pressure on pivot arm.
b. Loosen but do not remove two mounting screws.
c. Fully tension final reduction chain and rotate lock sensor until switch is in activation mode.
d. Tighten two mounting screws to secure lock sensor position.
e. Repeat fine adjustments.

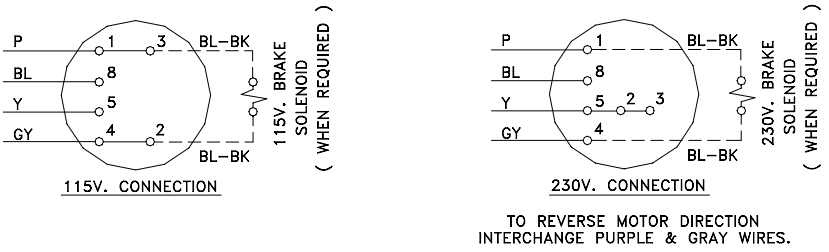
WARNING

TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER TO OPERATOR BEFORE ADJUSTING LOCK SENSOR.

FIGURE 1

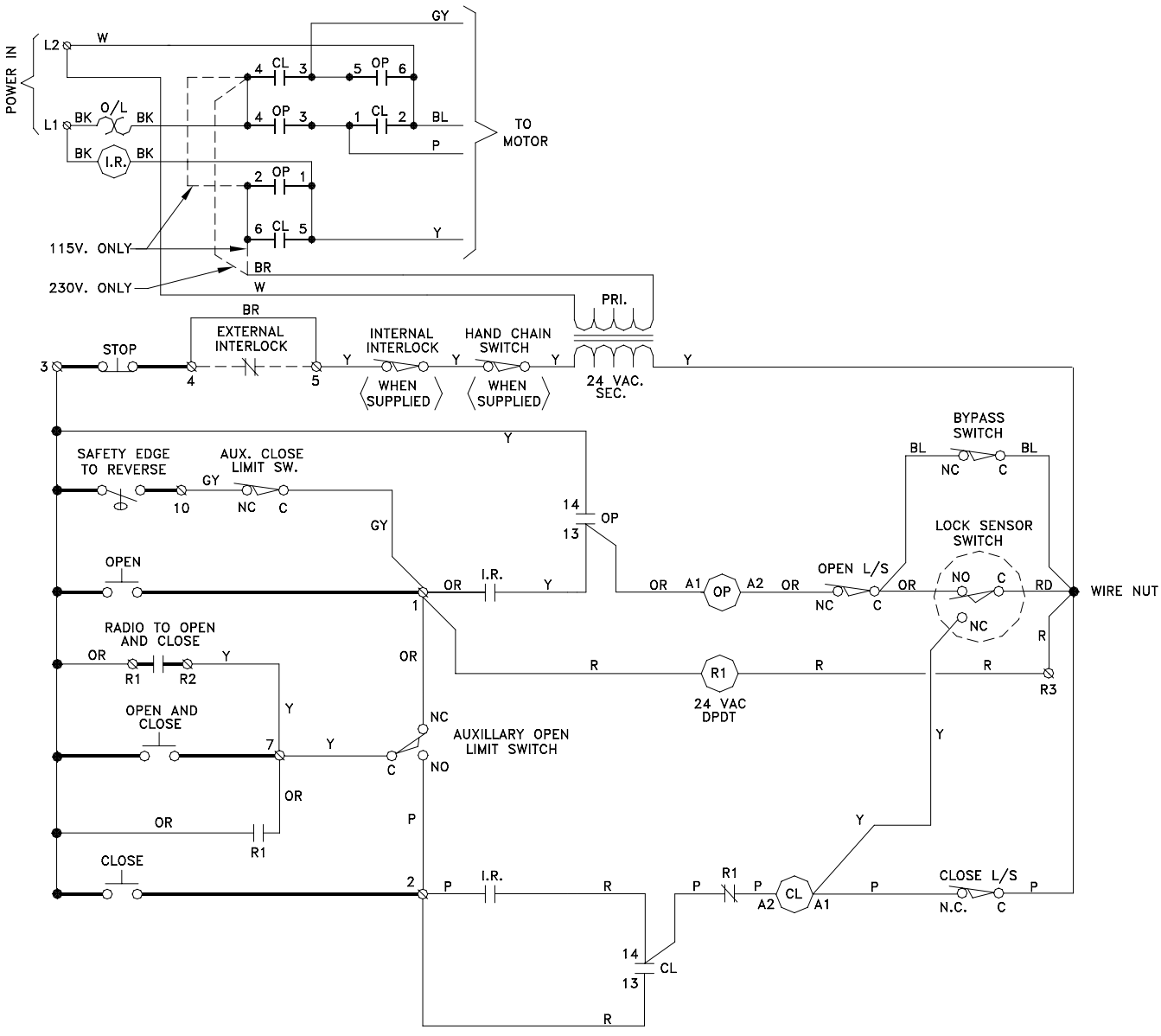


1PH SCHEMATIC DIAGRAM 1832-1



TO REVERSE MOTOR DIRECTION
INTERCHANGE PURPLE & GRAY WIRES.

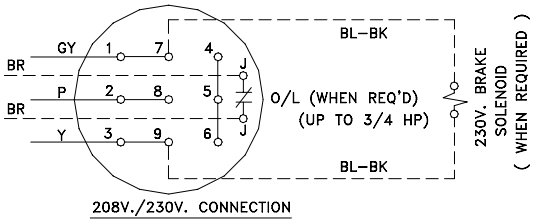
NOTE: I.R. COIL VOLTAGE IS THE SAME AS THE LINE VOLTAGE.



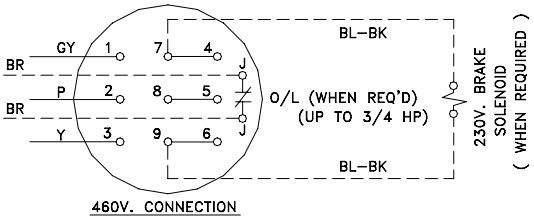
NOTES:

1) I.R. (INSTANT REVERSE) RELAY IS WIRED NORMALLY OPEN AND IS HELD CLOSED WHEN MOTOR IS NOT RUNNING.

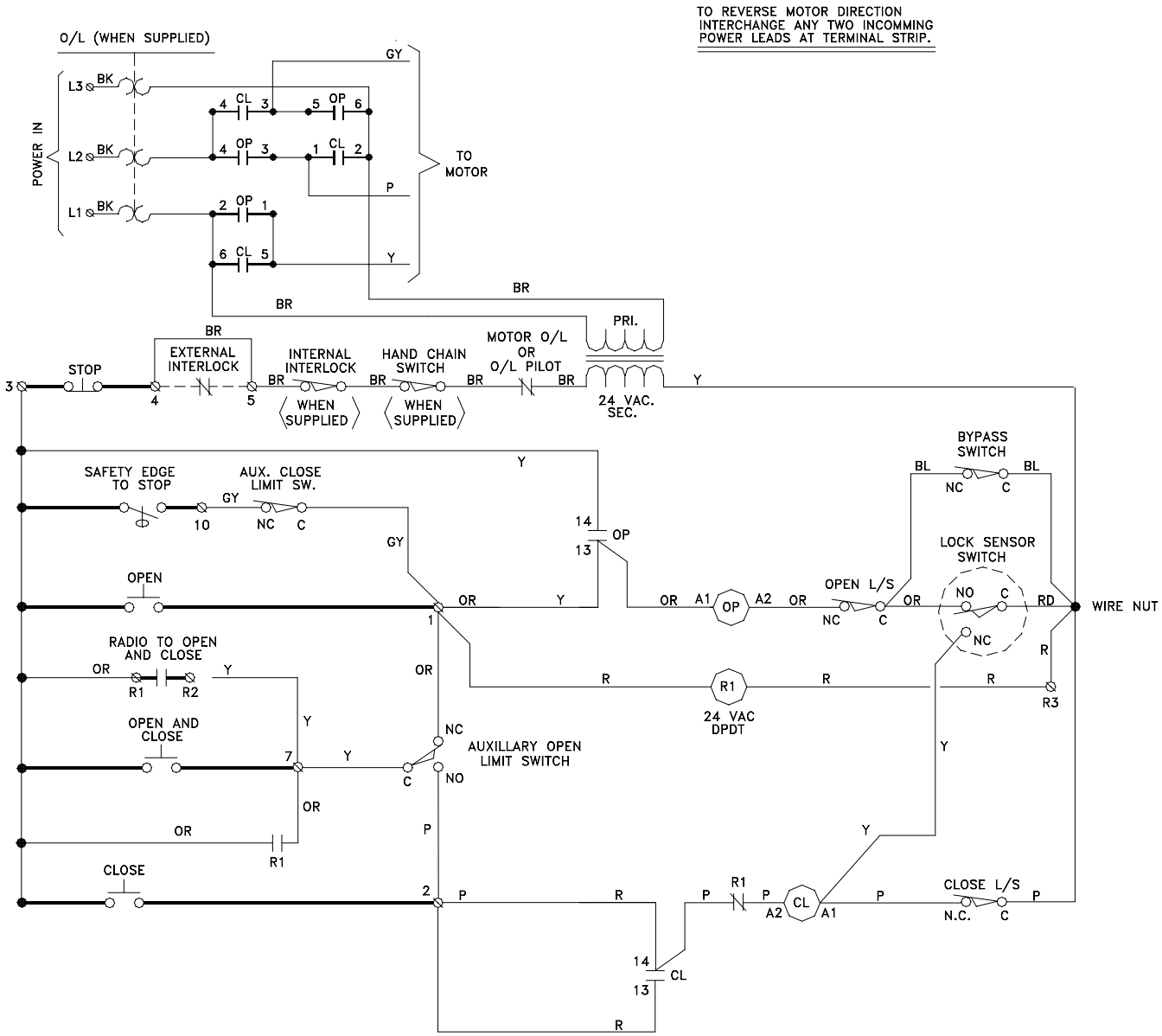
3PH SCHEMATIC DIAGRAM 1832-3



208V./230V. CONNECTION



460V. CONNECTION



CONTROL CONNECTION DIAGRAM

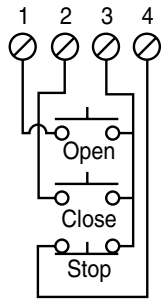
IMPORTANT NOTES:

1) The 3-Button Control Station provided must be connected for operation.
2) If a STOP button is not used, a jumper must be placed between termianls 3 and 4.
3) Auxiliary control equipment may be any normally open two wire device such as pullswitch, single button, loop detector, card key or such device.

ATTENTION ELECTRICIAN:
USE 16 GAUGE OR HEAVIER WIRE FOR ALL CONTROL CIRCUIT WIRING.

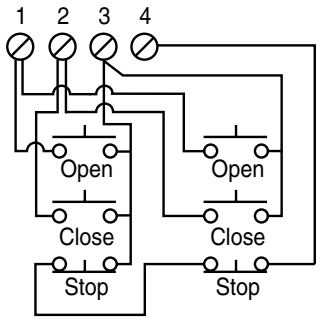
3 BUTTON STATION or 3 POSITION KEYSWITCH w/ SPRING RETURN TO CENTER AND STOP BUTTON

STANDARD



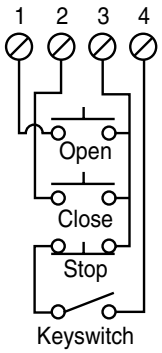
ALL CONTROL WIRING TYPES

2 OR MORE



ALL CONTROL WIRING TYPES

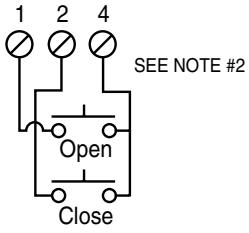
KEY LOCKOUT



ALL CONTROL WIRING TYPES

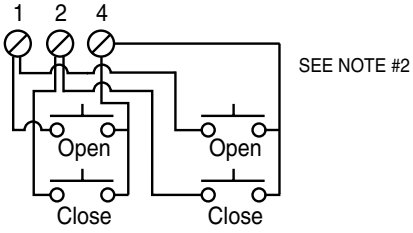
2 BUTTON STATION or 3 POSITION KEYSWITCH w/ SPRING RETURN TO CENTER

STANDARD



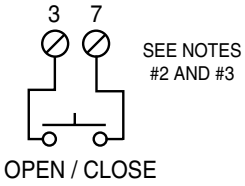
ALL CONTROL WIRING TYPES

2 OR MORE



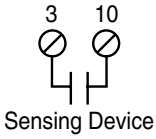
ALL CONTROL WIRING TYPES

1 BUTTON STATION or ANY AUXILIARY DEVICE



B2 or T1
WIRING TYPES ONLY

SENSING DEVICE TO REVERSE OR STOP

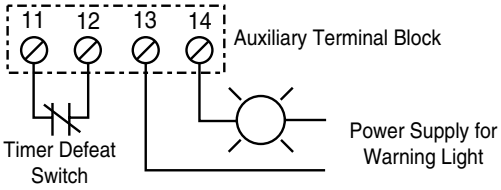


ALL CONTROL WIRING TYPES

*

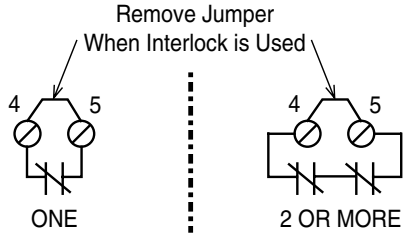
TIMER TO CLOSE w/ WARNING LIGHT

Warning Light will activate 15 sec. before door closes.



T1 CONTROL WIRING ONLY

EXTERNAL INTERLOCK



ALL CONTROL WIRING TYPES

Lift-Master
The Professional Line

LOCK SENSOR (D WIRING)
WIRING DIAGRAM & INSTRUCTIONS
Model: H, J and H/J

APPLICATION REQUIREMENTS:

This wiring modification is available to models J and H/J Standard-Duty operators with 24VAC control circuits with "D" type wiring.

FUNCTIONS:

This modification stops the operator from running when extra tension is sensed on the door from the mechanical door lock, obstruction or extensive binding.

OPERATION: When unit senses load running open from close limit, Lock Sensor will stop operator. Press close button and run until it shuts off (to unlock door when load removed).

LOCK SENSOR ADJUSTMENT

FINE ADJUSTMENT

- To increase opening force, tighten wing nut.
- To decrease opening force, loosen wing nut.

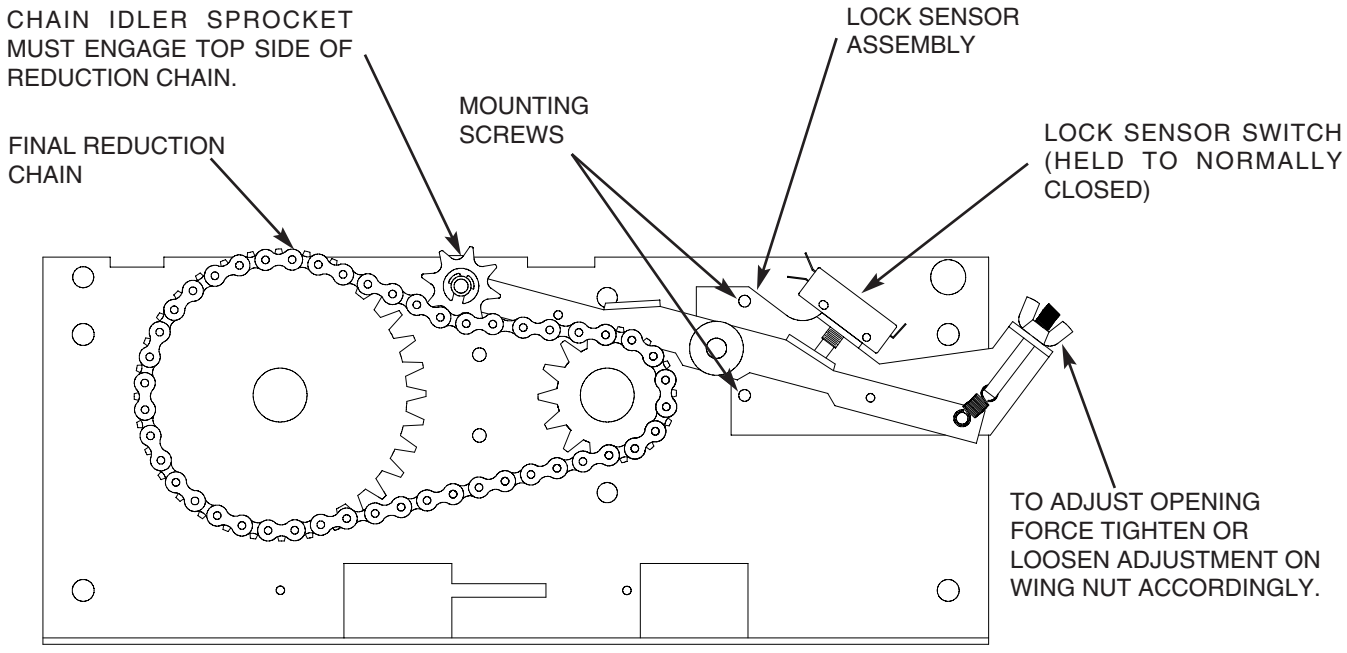
COURSE ADJUSTMENT (if required)

a. Release spring pressure on pivot arm.
b. Loosen but do not remove two mounting screws.
c. Fully tension final reduction chain and rotate lock sensor till switch is in activation mode.
d. Tighten two mounting screws to secure lock sensor position.
e. Repeat fine adjustments.

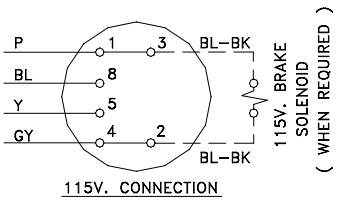
WARNING

TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER TO OPERATOR BEFORE ADJUSTING LOCK SENSOR.

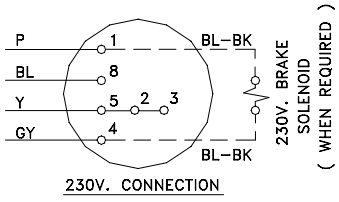
FIGURE 1



1PH SCHEMATIC DIAGRAM 1813-1



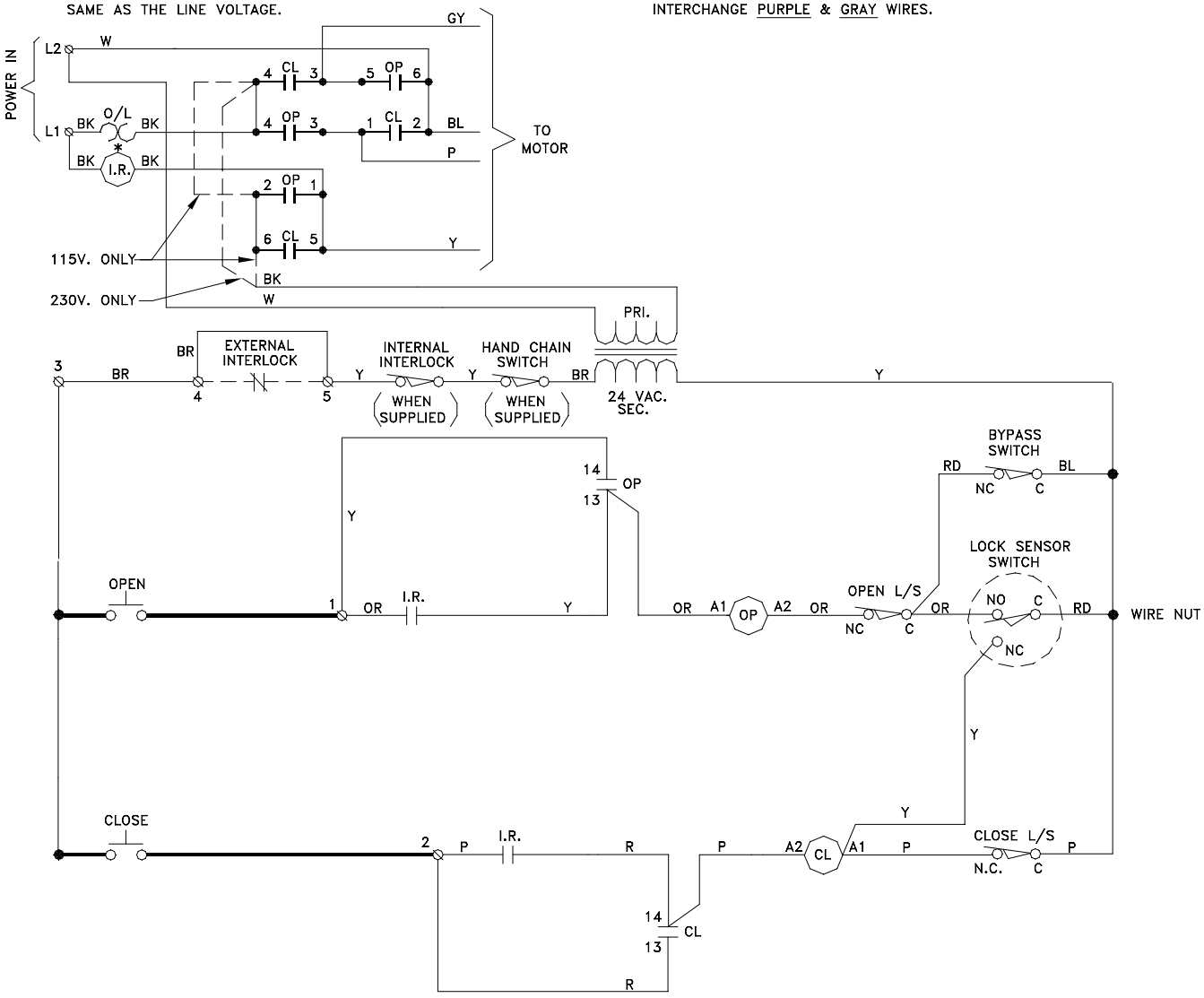
115V. CONNECTION



230V. CONNECTION

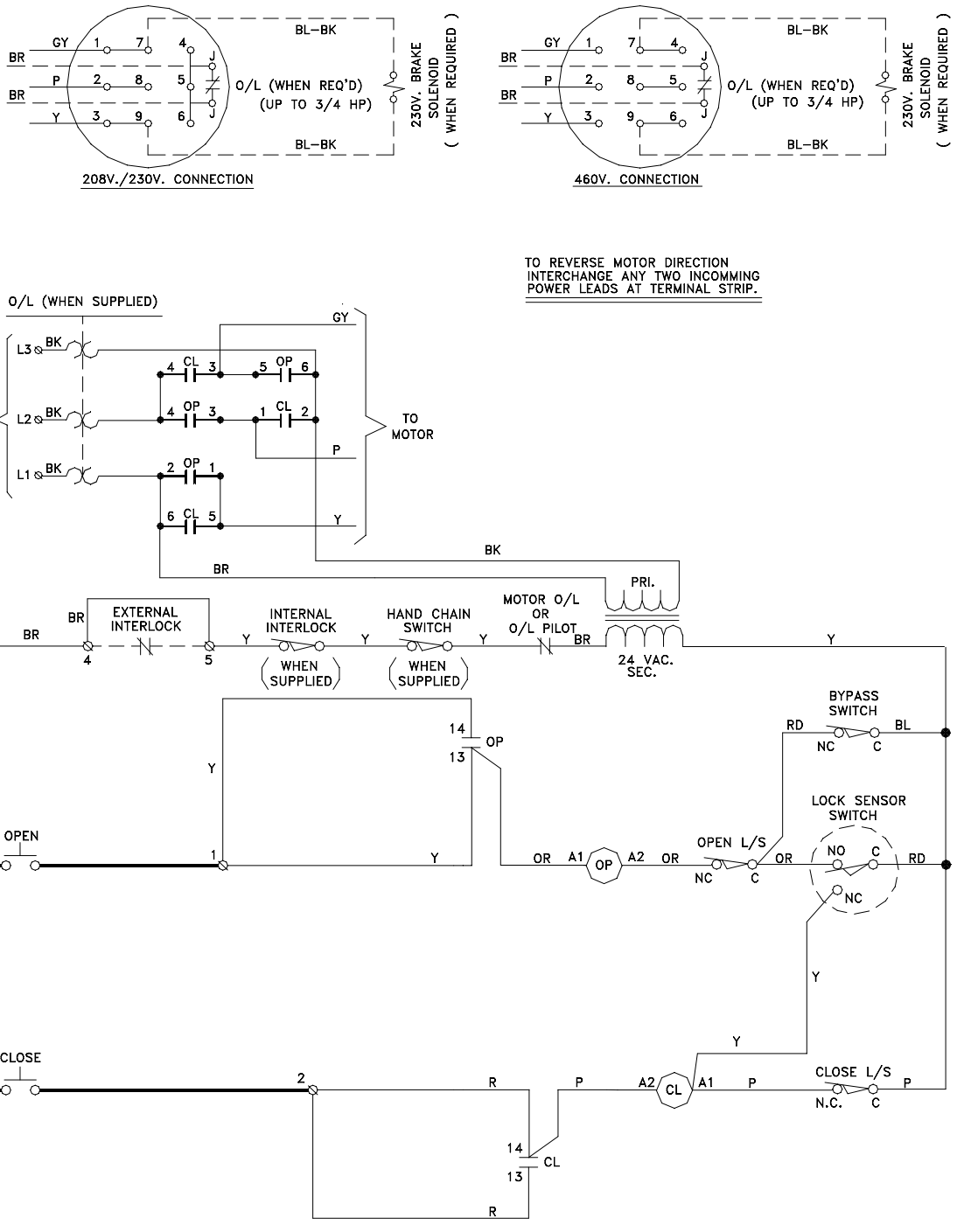
* I.R. COIL VOLTAGE IS THE SAME AS THE LINE VOLTAGE.

TO REVERSE MOTOR DIRECTION INTERCHANGE PURPLE & GRAY WIRES.



NOTES:
1- I.R. (INSTANT REVERSE) RELAY IS WIRED NORMALLY OPEN AND IS HELD CLOSED WHEN MOTOR IS NOT RUNNING.

3PH SCHEMATIC DIAGRAM 1813-3



CONTROL CONNECTION DIAGRAM

IMPORTANT NOTES:
1.) If a STOP button is not used, a jumper must be placed between termianls 3 and 4.

ATTENTION ELECTRICIAN:
USE 16 GAUGE OR HEAVIER WIRE
FOR ALL CONTROL CIRCUIT WIRING.