

412 (LOW VOLTAGE) INSTALL SHEET

Install the 412 units to the gate leaf with the dimensions provided with this instruction sheet.

Wire the transformer and batteries as shown in the board diagram included with this instruction sheet. (Terminals 1 & 2 are for the transformer. 3 & 4 are for the batteries). 5 & 6 are for 24vdc accessories. .500Ma max.

Next wire the motor as shown in the board diagram. (7 & 8 for motor one. 8 & 9 for motor two) 11 & 12 are for an FAAC electric lock. 13 & 14 are for a flashlight and warning light. Use the warning light out put for a mag-lock.

Next wire in an activating device with normally open contacts as shown in the board diagram. (Terminal 16 for the n.o. and 19 for the common)

Next wire up the safeties and stop button using the normally closed contacts. Use the diagram included with this install sheet. (Terminal 17 is for the n.c. of the safety device and 19 is for the common. Terminal 18 is for the n.c. Of the stop button and 19 is for the common) **Remember that all additional safeties and stop button must be wired in series.**

Dipswitches are as follows:

1= ON FOR MAXIMUM FORCE, MINIMUM SENSITIVITY FOR REVERSE ON CONTACT.

1= OFF FOR MINIMUM FORCE, MAXIMUM SENSITIVITY

2= ON FOR AUTOMATIC MODE LOGIC

2= OFF FOR STEP BY STEP LOGIC

3= ON FOR AT EACH ACTIVATION. DIFFERENT STATUS OF GATE. OPEN, STOP, CLOSE, STOP, OPEN ETC.

3= OFF ONE MOVEMENT PER ACTIVATION. OPEN, CLOSE, OPEN, CLOSE, ETC.

4= ON FOR OPENING AND CLOSING SAFETY. (THE SAFETY DEVICE EFFECTS BOTH OPENING AND CLOSING OF THE GATE.

4= OFF FOR THE SAFETY JUST EFFECTING THE CLOSURE OF THE GATE.

5= ON FOR REVERS STROKE OF 1.5 SECONDS FOR THE EASE OF THE ELECTRIC LOCK RELEASE.

5= OFF FOR NO REVERSING STROKE.

6= ON FOR LEAF DELAY OF 2 SECONDS AT OPENING, 12 SECONDS ON CLOSING

6= OFF FOR LEAF DELAY OF 2 SECOND OPENING, 4 SECONDS ON CLOSING

7= ON FOR TWO ARMS WIRED UP

7= OFF FOR ONE MOTOR WIRED UP

LED STATUS IS AS FOLLOWS:

THE LED LABELED POWER IS THE POWER LED. LIT MEANS POWER IS APPLIED TO THE CONTROL PANEL.

NOT LIT IS NO POWER TO CONTROL PANEL

THE LED LABELED FTO IS THE SAFETY LED AND IF IT'S LIT IT MEANS THAT THE SAFETY IS FUNCTIONING PROPELY AND NOT BEING TRIPPED.

NOT LIT MEANS THAT THE SAFETY IS DAMAGED OR BEING TRIPPED. (GATE WON'T OPEN OR CLOSE DEPENDING ON DIP SWITCH 4)

THE LED LABELED STOP IS THE STOP LED. LIT IT MEANS THE STOP BUTTON IS NOT BEING PUSHED AND ITS FUCTIONING FINE.

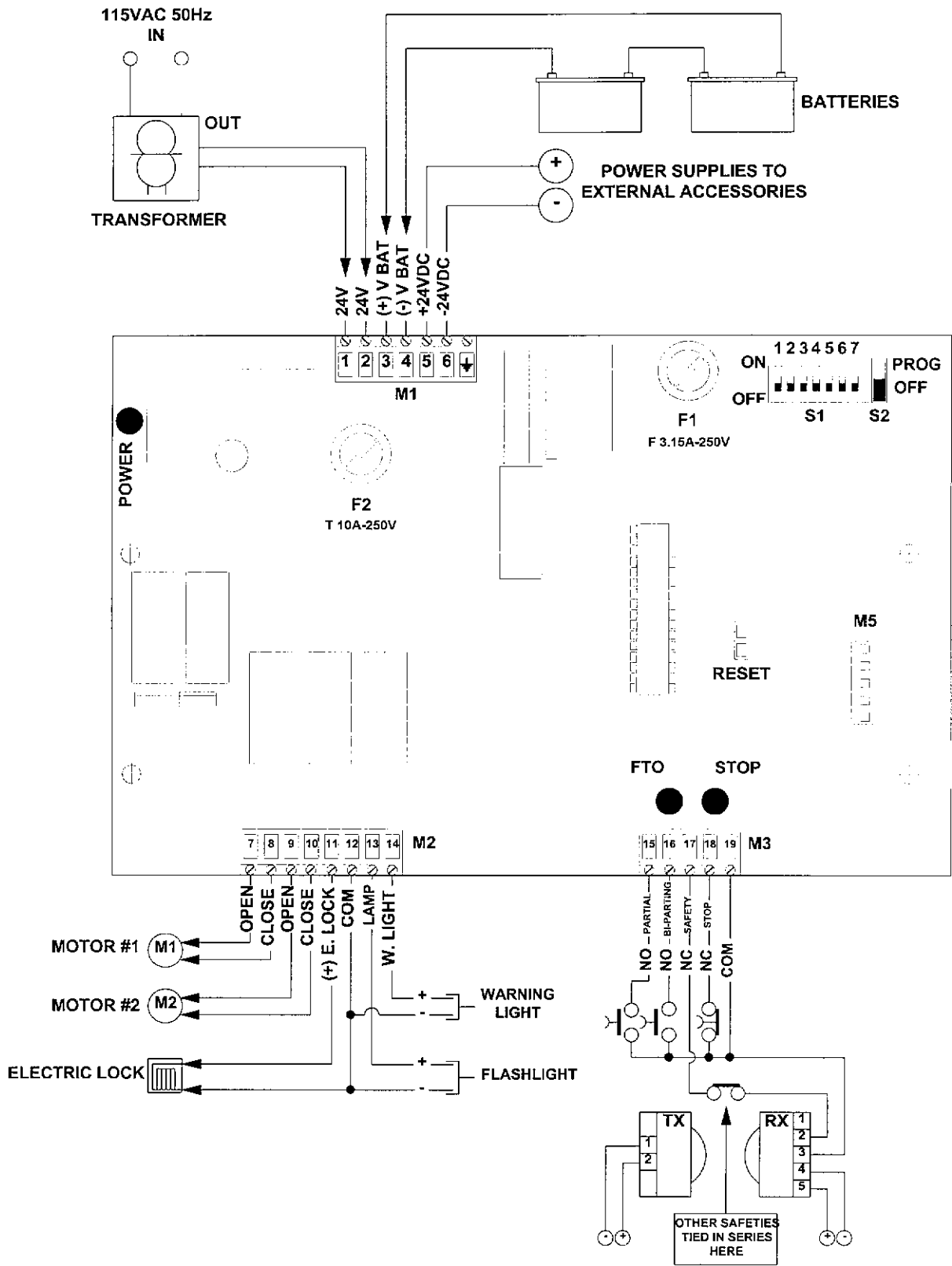
NOT LIT MEANS THE STOP BUTTON IS BEING PUSHED OR DAMAGED OR IF NOT BEING USED NOT JUMPED OUT. (GATE WON'T MOVE)

NEXT COMES PROGRAMMING.

The control panel has a self-learning program.

Note: When the self-learning procedure is used it must be done with the batteries connected.

- 1) Move the gates to midpoint and lock them in with the manual release key provided with the unit.
- 2) Power up the board (make sure the power led is lit.)
- 3) Turn switch S2 to program. Located on the top of the control panel next to all the other dipswitches.
- 4) Give the board an activation signal. The gate must close first. (Leaf 2 and then Leaf 1)
- 5) If they open (either one) the hit the reset pins with a screwdriver to short the reset pins out. (Located on the control panel about midway to the top left of the radio receiver pins.)
- 6) Cut power to the board and reverse the wires to the arm running backwards. (Repeat the programming.)
- 7) Give an activation signal to the board making sure both arms run fully closed to there stops.
- 8) After 2 seconds motor 1 starts opening and after 2 more seconds motor 2 starts to open automatically until they reach the open stop.
- 9) After reaching the open stop, the board starts counting for the pause. When the pause time has reached your desired time give the control panel an activation signal. The arms will then start to close until reaching its stop.
- 10) Programming is now completed. Turn the switch labeled S2 back to the off position.



	Title: 412 (24vdc) Control Panel
	Drawn by: FAAC Technical Department
	Scale: N/A