

PRO MANUAL LAUNDRY SYSTEM DRY DETERGENT TOP LOADER DISPENSER

The Pro Manual Laundry System is a one product push button operated chemical dispenser for top loader / small commercial washing machines. The system requires a 110-volt outlet for the power. This system allows the installer to engage the lockout by snipping one leg of the “high” resistor on the circuit board. This is a new feature - please see the section on LOCKOUT for further information. The unit itself is a 110 volt power supply into a 110 volt circuit board. The 110 volt AC output on the white base in the bottom right hand corner of the circuit board goes through a step down transformer and 24 volts AC are fed to the solenoid on the right hand side of the dispenser.

MOUNTING & INSTALLATION

1. **MOUNTING & POWER SUPPLY** - Use the screws and anchors provided to mount the unit. Make sure that the unit is within reach of 110-volt outlet. Plug the unit in but do not turn it on at this point.

Select a location for the remote box that will allow accessible control of the unit for the end user. Use the double stick tape on the back or open the remote box to gain access to the two bosses inside. If you choose to use the two internal mounting holes with the screws and anchors provided, be careful not to loosen any of the electrical connections inside.

2. **TUBING** – Once you have determined your fresh water supply source, run ¼” OD tubing from the water supply to the inlet (rear) fitting of the solenoid on the right hand side of the dispenser. Measure and cut another piece of ¼” OD supply tubing to go between the output (front) fitting of the solenoid to the vacuum breaker inlet fitting for the Viking Bowl.

SEE THE CONTROL BOARD LAYOUT FOR ADDITIONAL INFORMATION

The PRO 2034 board in this dispenser has a power switch, a power indicator light, and a fuse. There are two potentiometers for run time control. They are in the center of the board, near the top, and marked underneath each. The bottom potentiometer controls a run time of 0 - 180 seconds (18 seconds of run time per increment). The top potentiometer controls a run time of 0 -25 seconds (2.5 seconds of run time per increment). For longer run times, use the bottom potentiometer and fine-tune the run time with the 0-25 second control.

3. SETUP - PRIMING - CHECKING RUN TIME

The three position switch in the bottom right hand corner of the board controls the main function you will need during the installation.

Left Hand Position – Unit Priming. The Solenoid will open for as long as the switch is in this position.

Center Position - Run. Once the installation is complete, run times have been checked, and you are ready to leave, **THE SWITCH MUST BE IN THE CENTER POSITION TO OPERATE.** The board will recognize a button depression (and release) from the remote box and run the solenoid for the amount of time you set on the potentiometers in this position.

Right Hand Position - Verify run time. This position will allow you to verify what run time you have the solenoid set for. Move the switch to the right hand position and time the duration of the solenoid feed to the bowl. Once the run is complete, **MOVE THE SWITCH BACK TO THE CENTER POSITION.** If the run time needs to be adjusted, do it now. Once the adjustment has been made, move the switch back to the timed position to verify the new run time. Again, return the switch to the center position once calibration is complete.

5. LOCKOUT - HOW TO ENGAGE - WHAT DOES IT MEAN?

*****MAKE SURE THAT THE POWER SWITCH IS OFF BEFORE ENGAGING LOCKOUT*****

All units arrive now without lockout engaged. This is intended to speed up the installation for those who will be using the lockout. Once the unit is installed, all tubing is installed, AND run times have been set and verified, the lockout should be engaged.

WHAT WILL THE LOCKOUT DO? Once the lockout is engaged the following will occur: If a user presses the remote button and starts a cycle, the solenoid will open and run the length of time that you set during installation. Now a lockout begins for approximately three minutes during which the user cannot start another cycle again. If the button is pressed again after a period of time LESS than the three minute lockout, the clock is reset and they must wait another three minutes until soap can be dispensed from the pump. This is to prevent the old “If a little soap means clean, a lot of soap must mean REALLY clean”, theory from coming into play.

TO ENGAGE THE LOCKOUT – Turn the unit power switch to the OFF position. Unplug the unit from the wall. Refer to the board drawing for this resistor location. Cut one of the side leads of the high resistor to engage the lockout. Leave enough of the leg on either side to use an alligator jumper should you need to trouble shoot the unit at some point.

KEEP IN MIND - Once the lockout has been engaged, it affects the verify run time position. That is, if the installer wants to change the run time of the pump with lockout and verify time or quantity, the installer will have to wait the full three minutes after triggering the pump with the switch or remote before being able to dispense again. **THE SAFEST BET IS TO WAIT A FULL 3 1/2 MINUTES BEFORE RETRIGGERING JUST TO BE SURE.**

BEFORE LEAVING THE INSTALLATION:

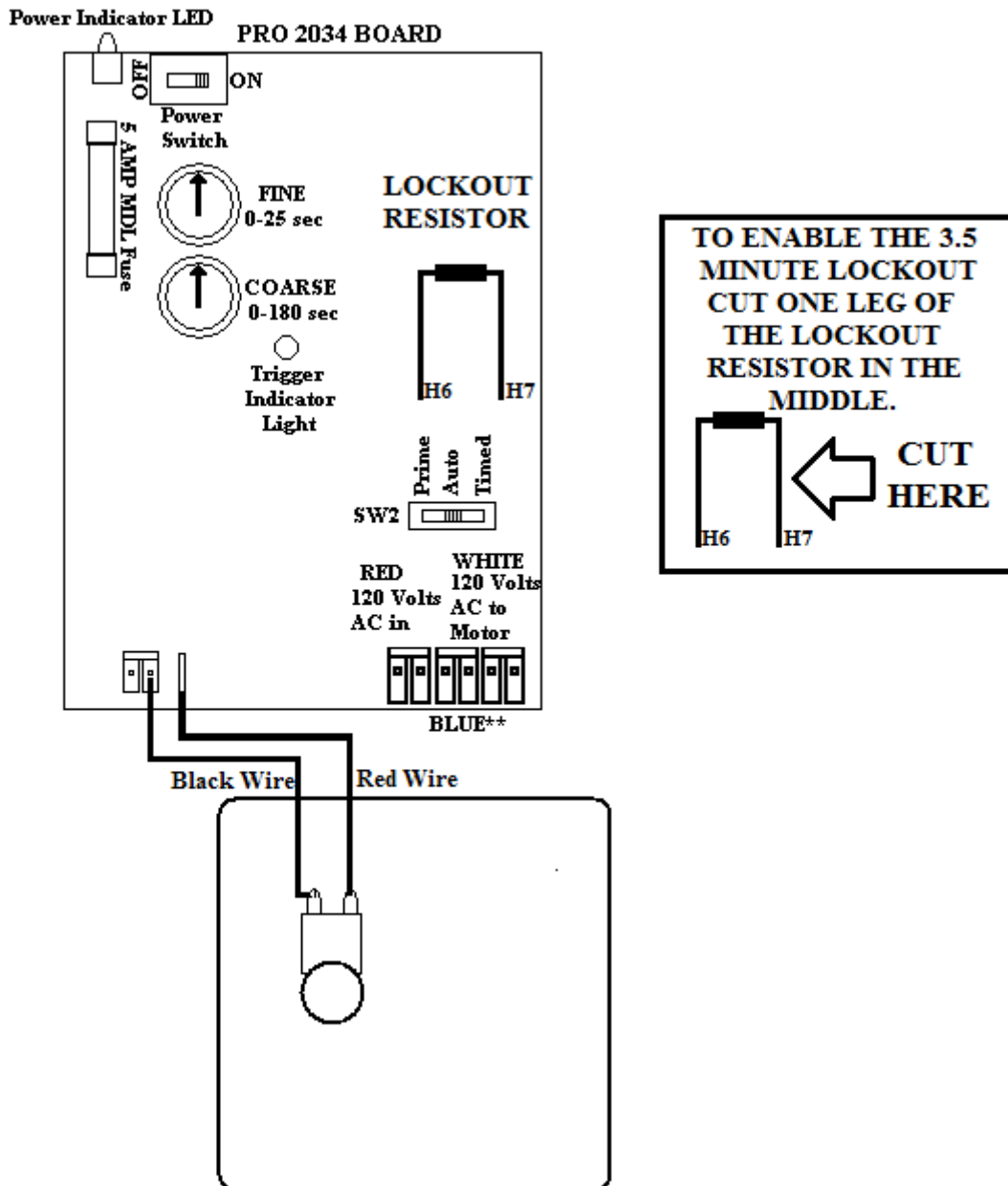
1. Make sure that all of the three position switches are in the center position and that the green power indicator light on the front of the lid is lit to indicate power is on.
2. If you have engaged the lockout on the unit, make the end user(s) aware to avoid unwanted trouble calls.

WARRANTY

Viking LLC, A DEMA Company products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products which have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, improper voltage supply, physical abuse or misapplication. Rubber and synthetic rubber parts such as “O” rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of Viking LLC products. If the products are altered or repaired without prior approval of Viking LLC, this warranty will be void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. Viking LLC assumes no liability for damages. Return Merchandise Authorization (RMA) number to return units for repair or replacement must be granted in advance of return.

PRO 2034 MANUAL LAUNDRY CIRCUIT BOARD & REMOTE BOX LAYOUT



NOTE: In a Pro Manual Laundry dry detergent dispenser, the white header on the circuit board supplies 120 Volts AC to a transformer that in turn supplies 24 Volts AC to the solenoid valve that feeds water to the Viking Bowl.