

INSTALLATION INSTRUCTIONS

Millennium II

SAFETY INSTRUCTIONS

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

 **WARNING:**

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

INSTALLATION INSTRUCTIONS

Push Button To Portion Control Conversion

This instruction sheet details the procedure for converting a Millennium II Push Button dispenser to a Portion Control version. All necessary material to make the change, along with this bulletin, is included in the kit. The kits for both 4 valve and 6 valve models and their contents are listed below. **Note** that these kits will work for all models, regardless of voltage.

Millennium II 4 Valve Kit No. 629087497		Millennium II 6 Valve Kit No. 629087498	
Portion Control Touch Panel - 4 Valve	620048131	Portion Control Touch Panel - 6 Valve	620048132
Appliance Wire 22ga.Blue (3 feet)	953022	Appliance Wire 22ga.Blue (3 feet)	953022
Wire Connector	33033R	Wire Connector	33033R
Instruction Sheet	620919560	Instruction Sheet	620919560

Procedure

- Remove the top panel and merchandiser.
NOTE: There are two harnesses from the top panel and one from the merchandiser that must be disconnected. Make sure to mark the harnesses so as not to incorrectly wire them during re-assembly.
- Remove both side panels by sliding them towards the front of the dispenser.
- There are four phillips head screws (two on top, one on each side) securing the push button touch panel to the dispenser. Remove these screws, and carefully pull the touch panel towards you.
NOTE: There are wires (two per valve) running from the dispense switches to the electrical box harness. Disconnect these wires and remove the push button touch panel completely.
- Remove the cover from the electrical box and route the blue appliance wire supplied with this kit through the hole in the rear of the box. Refer to the picture showing a typical voltage regulator printed circuit board. Attach the wire to the second position, from the left end, of the 4-socket red connector. Any voltage regulator board may be used. This wire should not be stripped prior to making this connection. Push the wire into the connector with an installation tool or small flat blade screwdriver. Use a voltmeter to verify the connection.
- Route the other end of the blue appliance wire between the center valves of the dispenser, making sure to secure the wire out of the way of all moving parts on the refrigeration deck (agitator motor, condenser fan, etc.). Strip this end of the wire.
- Connect the orange and black wires to the orange and black wires from the corresponding valves.
NOTE: The portion control touch panel supplied with this kit has three wires per valve (orange, black and blue).
- Bundle the blue wires from the valves with the blue wire that was just installed from the electrical box. Crimp the blue wires together with the connector supplied with this kit. The blue wire supplies power to each of the portion control valves.
- Install the portion control touch panel to the dispenser with the four phillips head screws.
NOTE: You might need to drill a hole in each side of the portion control touch panel to install two of the screws. Failure to do this will result in an improperly secured panel. Be sure to use all four screws during installation.
- Install the side panels, top panel and merchandiser. Make sure to properly connect the harnesses and interlock all cladding pieces. **DO NOT** force any panels together. During proper assembly, the panels will slide together easily and remain interlocked. Connect power to the dispenser.

10. Programming the Portion Control

- A. The portion control valves have been pre-programmed from the factory to pour 7, 12 and 16-ounce drinks. The extra large (pitcher icon) size has also been pre-programmed to pour 16 ounces. To change the pour sizes, please follow the instructions below.
- Simultaneously press and hold the “small” and “extra large” push button switches on the Portion Control Module until the “refill” light starts blinking. Release the switches. The blinking refill light indicates the programming mode is active.
 - Place the cup under the dispense nozzle and push the selected size button (small, medium, large, or extra large). Hold the button until the cup fills to the desired portion, then release the button. Repeat the above procedure for the remaining sizes.
 - After programming all the drink sizes, press and release the “cancel/pour” switch to return the Portion Control to the operational mode. The blinking refill light will go out.
- B. If at a future date it is decided to change the portion size of the drinks, the individual sizes can be adjusted following the above procedure. It is not necessary to re-program every size. Additionally, the Portion Control has full memory retention in case of a power failure.
- C. To pour a drink without using a pre-programmed Portion Control size, simply push and hold the “cancel/pour” button and release when the cup is full.



Figure 1.