

IQ CONTROL

REPLACEMENT CIRCUIT BOARD INSTALLATION INSTRUCTIONS

The following defined terms are used throughout this literature to bring attention to the presence of hazards of various risk levels, or to important information concerning the life of the product.

DANGER

indicates presence of a hazard which *will* cause *severe* personal injury, death or substantial property damage if ignored.

CAUTION

indicates presence of a hazard which *will* or *can* cause *minor* personal injury, death or substantial property damage if ignored.

WARNING

indicates presence of a hazard which *can* cause *severe* personal injury, death or substantial property damage if ignored.

NOTICE

indicates special instructions on installations, operation, or maintenance which are important but not related to personal injury hazards.

BEFORE INSTALLATION

DANGER Verify that all sources of power are disconnected from the IQ Control before installing this replacement circuit board. **DISCONNECT** and **LOCK** or **TAG OUT** the direct power to the IQ Control circuit including the external power that may energize the D1 and D2 dispenser input terminals at TB1. Refer to the IQ Control Instruction and Owner's Manual for these wire connections.

STEP 1: Remove the lid of the enclosure and retain the sheet metal screw.

STEP 2: Disconnect the green ground lead from the circuit board. Grasp the terminal not the wire to avoid pulling the wire from the terminal.

STEP 3: Loosen all terminal screws of TB1 that have a wire connected and carefully slide the wire out from the terminal screw.

STEP 4: Remove the four screws that retain the circuit board in the enclosure and save.

STEP 5: Now the old circuit board can be lifted out of the enclosure. Lift the left side out first to avoid damaging the LED indicator.

STEP 6: Unpack the replacement circuit board from its shipping carton. Examine the dip switch settings for SW1, J2 and J3 on the old circuit board. Set the switches on the new board to match.

STEP 7: Locate the four screws removed from the original board and insert each one into the four mounting standoffs on the new board.

STEP 8: Place the new circuit board in the enclosure with the right side first so that the LED indicator slides inside the lens on the enclosure base.

STEP 9: Tighten the four mounting screws to retain the circuit board.

STEP 10: Re-connect all of the wires to the appropriate terminals of TB1. This includes the green ground wire that is connected to the enclosure base.

STEP 11: Secure the lid of the enclosure to the base with the sheet metal screw.

STEP 12: Energize the power to the circuit board and verify that the LED illuminates green.

STEP 13: Restore power to the source of the dispenser input signal on terminals D1 and D2.

The new IQ Control circuit board must be calibrated once it is installed and energized. Refer to the IQ Control Instruction and Owner's Manual for calibrating the new circuit board. Retain this instruction sheet with the equipment after installation for future use.



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