

OVERVIEW

When it comes to accurate chemical concentration control of wash water, inductive probes are technologically more advanced than conventional conductive probes. Inductive probes read chemical concentration levels by casting a magnetic field from two charged coils that are encapsulated in polypropylene. These magnetic coils never come in direct contact with corrosive chemicals and hard water minerals. As a result inductive probes provide consistently accurate and reliable chemical concentration control without ever needing to be serviced; unlike conductive probes that need constant maintenance and probe replacement.

INSTALLATION

- (1) Shut off all power to the main controller.
- (2) The probe should be mounted in the washer tank as shown in the example in Figure 1 (this is a top view) with the hole oriented vertically. Start by feeding the wire end through the mounting hole from the inside of the tank. One rubber washer should already be mounted on the threaded mounting stud.
- (3) After the plastic probe body has been firmly secured to the mounting hole with a rubber washer on each side of the tank, feed the wire bundle through a strain relief on the bottom of the main controller as shown (circled) in the example in Figure 2.
- (4) With the wire bundle now routed up inside the main controller, attach the four wires to the corresponding terminals for inductive probe connection as shown in Figure 3. The wire colors must match the color legend shown below the terminals.
- (5) Turn power on to the main controller.
- (6) A few seconds after power-up, the display window should indicate that it has found the attached Inductive Probe and will use the Inductive Probe readings for controlling chemical concentration whenever Probe Mode is selected and the pump activation signal is on.



Figure 1

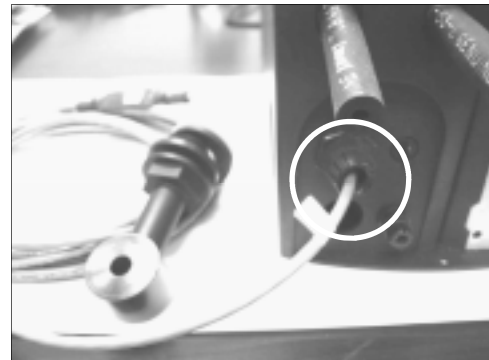


Figure 2



Figure 3



CAUTION: Wear protective clothing and eyewear when dispensing chemicals or other materials. Observe safety handling instructions (MSDS) of chemical mfrs.



CAUTION: To avoid severe or fatal shock, always disconnect main power when servicing the unit.



CAUTION: When installing any equipment, ensure that all national and local safety, electrical, and plumbing codes are met.

DISCLAIMER

Knight LLC does not accept responsibility for the mishandling, misuse, or non-performance of the described items when used for purposes other than those specified in the instructions. For hazardous materials information consult label, MSDS, or Knight LLC. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user, Knight does not accept any liability in such circumstances.

WARRANTY

All Knight controls and pump systems are warranted against defects in material and workmanship for a period of ONE year. All electronic control boards have a TWO year warranty. Warranty applies only to the replacement or repair of such parts when returned to factory with a Knight Return Authorization (KRA) number, freight prepaid, and found to be defective upon factory authorized inspection. Bearings and pump seals or rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing, and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty.

FOOTNOTE

The information and specifications included in this publication were in effect at the time of approval for printing. Knight, LLC reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation whatsoever.

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