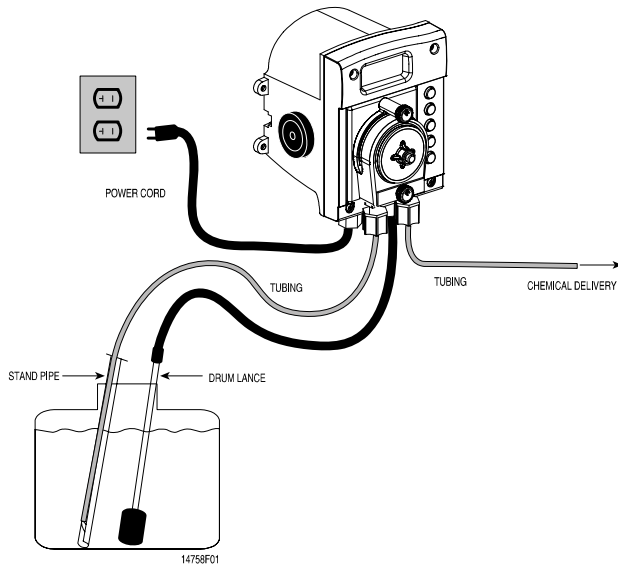


Low Level Alarm Installation Instruction

Installation

The low level alarm lance is inserted into the chemical drum and the sonic alarm is installed on the left side of the pump housing. The lance cable is passed into the pump housing through the strain relief. Both are wired into the appropriate connectors on the Main PCB. The lance (purchased separately, catalog number 091518) detects when the chemical drum is empty and the sonic alarm issues an audible alarm.



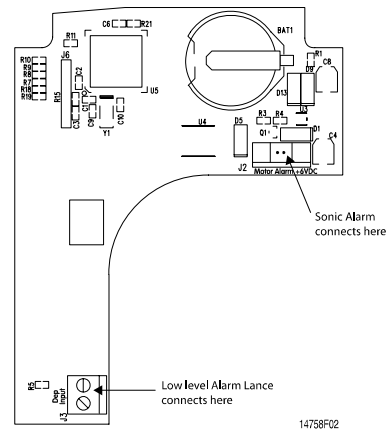
This kit contains one sonic alarm and one strain relief. The strain relief is installed in the bottom of the pump housing and is used to support the low-level alarm lance cable. The sonic alarm is installed in the side of the pump housing and wired into the circuit board. The alarm should be mounted on the left side of the pump (as the pump faces you) away from the buttons. If you are using a battery powered pump the sonic alarm may be mounted on the right side of the pump housing.

To install the audible alarm:

1. Break out the left side “knock out”, mount the alarm using the built in plastic nut and wire it appropriately.

- To remove the “knock out” first open the pump and remove the motor gearbox (see the Periodic Maintenance section of the installation Manual for details). Replace the Pump box front without the Motor Gearbox and refit and tighten the 4 screws. Insert a screwdriver into the groove in the middle of the knock out to be removed and rock it back and forth while applying pressure. Work the screwdriver through the plastic. Insert the screwdriver into the “knock out” area and gently but firmly pry up, being careful only to break the plastic of the “knock out”. Work from the center of the “knock out” toward one side and then around, gently prying the “knockout” plastic free. Clear any plastic burs that remain.

- Place the sonic alarm in the opening, wire side in, and tighten the plastic nut. Be sure the sonic alarm is held tightly in place and that no water can leak into the pump housing.
- Connect the wire harness to the “alarm” pins on header “J2” on the main circuit board. (see Drawing)



To install the Strain Relief:

2. Break out a bottom knock out, mount the strain relief and install the Low level alarm cable. A low level alarm lance must be purchased separately (catalog number 091518).

- To remove the “knock out” first remove the motor gearbox as instructed above. Insert a screwdriver into the groove in the middle of the “knock out” you have selected. Either the small left or right knockout may be used. Rock the screwdriver back and forth while applying pressure as you did while mounting the sonic alarm. Work the screwdriver through the plastic. Insert the screwdriver into the “knock out” area and gently but firmly pry up, being careful only to break the plastic of the “knock out”. Work from the center of the “knock out” toward one side and then around, gently prying the “knock out” plastic free. Clear any plastic burs that remain.
- Place the strain relief in the opening. Pass the low level alarm cable through the strain relief and tighten the plastic nut firmly in place. Be sure to tighten the nut sufficiently to insure that no water can leak into the pump housing.
- Connect the wire harness to the terminal block marked “Dep Input” (J3) on the main circuit board. (see Drawing)

Replace the motor gearbox (see the Periodic Maintenance section of the installation Manual for details). Mount the pump and place the low level alarm lance in the chemical container. The low-level alarm is ready to use.