
Laing Thermotech Series Automatic Plug-In Timer for E1/E3 Circulators



INSTALLER: PLEASE LEAVE THIS MANUAL FOR THE OWNER'S USE.



SAFETY INSTRUCTIONS: This safety alert symbol will be used in this manual and on the pump safety instruction decal to draw attention to safety related instructions. When used, the safety alert symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED! FAILURE TO FOLLOW THE INSTRUCTIONS MAY RESULT IN A SAFETY HAZARD.

Application


To increase the overall efficiency of a hot water recirculation system, the plug-in timer kit can be installed on any E1 and E3 model circulator. The timer control is programmable to turn the circulator ON and OFF automatically at preset times. This allows domestic hot water to be circulated only at the expected times of high usage.

Operation Limits

For use on Laing models E1 and E3 pumps, indoor use only.

Power Supply: 115-120 VAC, 60Hz, 1Ø

Minimum Switch Interval: 30 Minutes

Run Modes: ON (continuous run), OFF (off at all times) and  TIMER (run at programmed intervals)

Timer Installation

1. Disconnect electrical supply to the pump.



WARNING: - ELECTRICAL SHOCK HAZARD - Disconnect and lock out the power before making electrical connections. Failure to follow these instructions could result in serious personal injury or death.

2. Remove screw that holds electrical cover to the pump motor housing. (Figure 1)
3. Remove the cap. The timer assembly will replace the cap.
4. Align insert clip on timer assembly with the insert slot on the pump motor housing. (Figure 2) Notice the 3 sets of prongs on the timer assembly. These prongs must align with the receptacles on the pump motor housing.



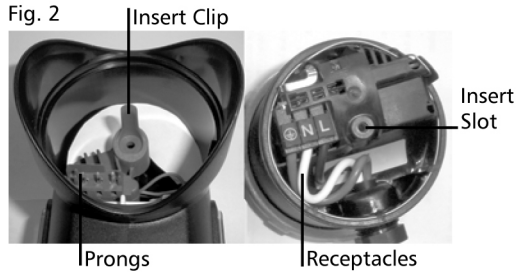
WARNING: The prongs and insert clip are fragile. Do not force the timer kit onto the pump motor housing.

5. Insert screw removed in (1.) into the timer kit screw port. Use a long neck Phillips head screwdriver and hand tighten. (Approximately 3-4 revolutions)

Fig. 1



Fig. 2



Timer Programming


1. Using a small flat-head screwdriver, pry timer cover open. (Figure 3)
2. Rotate the dial clockwise until the correct time is aligned with the pointer above the dial face. (Figure 4)
3. Program "ON/OFF" times by pulling the tabs outward away from the dial face for the pump to operate "ON" during selected time periods. Push the tabs inward, flush with the dial face for the pump to remain "OFF" during selected time periods. Each timer tab is a 30-minute period.
4. Move the slider to "ON" for constant circulation, "OFF" to turn the circulator off and to  for timer operation.
5. In the case of a power outage, the timer must be adjusted for the correct time of day after power is restored.

Fig. 3

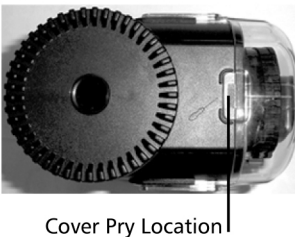


Fig. 4



Goulds Water Technology Branded Products

Limited Consumer Warranty

For goods sold for personal, family, or household. Seller warrants the goods purchased hereunder (with the exception of membranes, seals, gaskets, elastomer materials, coatings, and other "wear parts" or consumables all of which are not warranted) will be free from defects in material and workmanship for a period of one (1) year from the date of installation or twenty-four (24) months from the date of manufacture (which date of manufacture shall not be greater than thirty (30) days after receipt of notice that the goods are ready to return) whichever shall occur first.

Except as otherwise required by law, Seller shall, at its option and at no cost to Buyer, either repair or replace any product which fails to conform to the Warranty provided Buyer gives written notice to Seller of any defects in material or workmanship within ten (10) days of the date when any defects or non-conformance are first manifest. Under either repair or replacement option, Seller shall not be obligated to remove or pay for the removal of the defective product or install or pay for the installation of the replaced or repaired product and Buyer shall be responsible for all other costs, including, but not limited to, service costs, shipping fees, and expenses. Seller shall have sole discretion as to the method or means of repair or replacement. Buyer's failure to comply with Seller's repair or replacement directions shall terminate Seller's obligations under the Warranty are warranted only for the balance of the warranty period on the parts that were repaired or replaced. The Warranty is conditioned on Buyer giving written notice to Seller of any defects in material or workmanship of warranted goods within ten (10) days of the date when any defects are first manifest.

Seller shall have no warranty obligations to Buyer with respect to any product that have been: (a) repaired by third parties other than Seller or without Seller's written approval; (b) subject to misuse, misapplication, neglect, alteration, accident, or physical damage; (c) used in a contrary to Seller's instructions for installations, operation, and maintenance; (d) damaged from ordinary wear and tear, corrosion, or chemical attack; (e) damaged due to abnormal conditions, vibration, failure to properly prime, or operation without flow; (f) damaged due to a defective power supply or improper electrical protection; or (g) damaged resulting from the use of accessory equipment not sold or approved by Seller. In any case of products not manufactured by Sellers, there is no warranty from Seller; however, Seller will extend to Buyer any warranty received from Seller's supplier of such products.

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To make a warranty claim, check first with the wholesaler or seller from whom you purchased the product or visit www.xylem.com for the name and location of the nearest representative providing warranty service.



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