Instruction **Sheet**

Flow Switch Controller
Model FS5000

Introduction

The LMI FS5000 Flow Switch Controller is intended to be used in applications that require flow/no-flow control of metering pumps and other devices. Power is supplied to the controlled outlets when flow through the flow switch exceeds 0.75 GPM (Gallons Per Minute) (2.85 l/h [liters per hour]).

The FS5000 is 15 amp fuse protected and includes three (3) controlled 115 VAC, 50/60 Hz outlets and one (1) 115 VAC, 50/60 Hz service outlet.

Unpacking

Remove the Flow Switch Controller and Flow Switch from carton. Notify carrier immediately if there are any signs of damage to the unit.

Installation

CAUTION

Always adhere to local plumbing codes and requirements. Be sure installation does not constitute a cross connection.

CAUTION

To reduce the risk of electric shock, the controller must be plugged into a grounded outlet with rating conforming to the information on the dataplate. ***Do not use adaptors.*** *All wiring must conform to local electrical codes.*

The Flow Switch Controller is shipped with 6 ft (1.8 m) of power cord for connection to a 115 VAC power source.

Locate the controller in an area convenient to electrical supply. The flow switch may be mounted up to 10 ft (3 m) from the controller. The controller should be wall mounted in an accessible location using all four mounting holes for stability. Avoid locations that will subject the controller to temperatures above 122° F (50° C) or to chemical splash or vapors.

The flow switch has 3/4" (1.9 cm) slip fittings. It is designed to be installed in a water line and ***must be installed vertically*** (see Figure 1).

It is recommended that a bypass line with isolation valves be installed to allow easy servicing of the flow switch. Installation of a strainer is recommended to help prevent clogging of the flow switch.

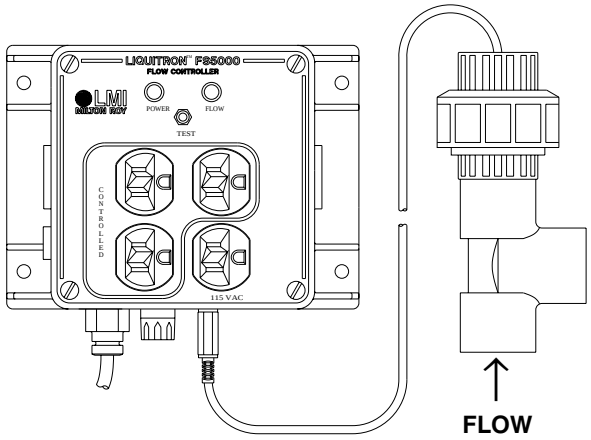

Figure 1

Operation

1. Plug the flow switch cable into the phone jack on the bottom of the controller.

2. Plug the controller into a grounded 115 VAC electrical supply. The POWER LED on the panel will light.

3. Plug the metering pumps and/or other device into one of the three controlled outlets.

4. Water flow exceeding 0.75 GPM (2.85 l/h) through the flow switch will cause the FLOW LED to light and energize the controlled outlets. If flow drops below 0.75 GPM (2.85 l/h), the FLOW LED will go out and the controlled outlets will be de-energized.

NOTE: *Operation of the controller and controlled devices may be checked by pushing the TEST button which simulates flow and causes the FLOW LED to light and energizes the controlled outlets.*

Maintenance

The FS5000 Flow Switch Controller requires very little maintenance. Attention should be given to the flow switch which may require periodic cleaning to assure smooth operation. The quality of the water will determine how often cleaning will be necessary.

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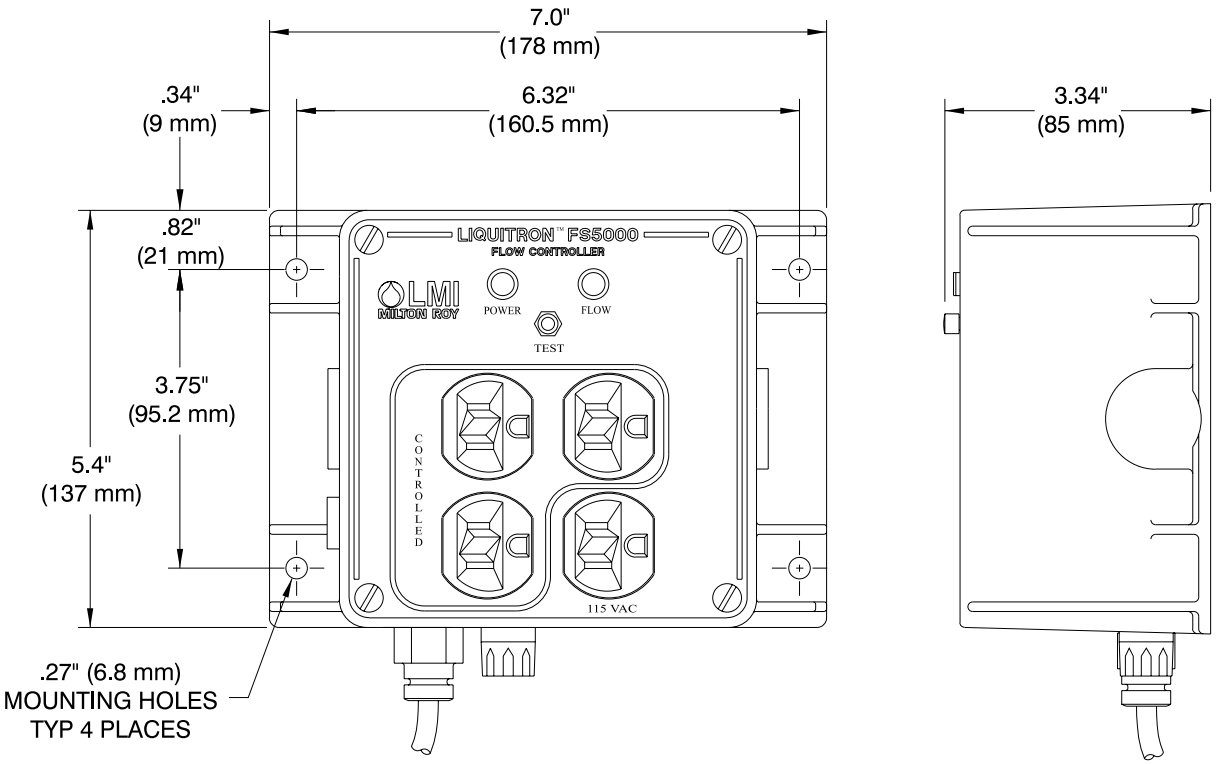
Dimensions



Parts List

Part No.	Description	Quantity
10349	Transformer	1
26068	Relay	1
26074	Fuse Holder	1
26649	Test Switch	1
28743	Pilot Light	2
30749	Power Cord	1
31948	Phone Jack Receptacle	1
32729	Receptacle, Duplex	2
33844	Nameplate	1
34075	Panel Assembly	1
34076	Housing	1
34119	Fuse	1
34572	Flow Switch, FSLIP	1
36131	Flow Switch, Threaded	1

Flow Switch Specifications

MAX. TEMPERATURE	140° F (60° C)
MAX. PRESSURE ..... 150 psi (10.3 Bar) @ 100° F (@ 20° C)	
TRANSMITTER	Reed Switch
MATERIALS OF CONSTRUCTION	Sch. 80 PVC