

Pump Monitor

Model PB-ALM1

The PB-ALM Series of pump monitoring systems will alert you to pump failures which may include loss of prime, empty tank, broken suction tubing, ruptured diaphragm, and clogged check valves.

These "plug and play" systems feature LMI's Digi-Pulse® Flow Monitor and NPI's ALM-1 Pump Monitor in a single pre-mounted, pre-wired package.

The first pulse from the Digi-Pulse® will start the time delay of the unit. Each pulse is indicated by a flash of a green pulse indicator LED. Each additional pulse resets the time delay. If the moni-

tor is set for a 60-second time delay and the unit does not receive a pulse within that time, the alarm relay will be switched and the red LED light indicating an alarm condition will be illuminated.

The SPDT relay provides both 'normally open' (N/O) and 'normally closed' (N/C) contacts. Easy connections are provided for connecting a bell, flashing light, auto-dialer or cell phone pager. No special programming is required for setup.

The external green pulse indicator LED makes tuning the pump and Digi-Pulse® a snap. An NPI exclusive!



Features of the Model PB-ALM:

- ◆ Switches on back-up **pump and alarm** to continue operation
- ◆ Connect to your computer, alarm system, autodialer, alarm light or horn, or cell phone pager
- ◆ Easily adjustable pump monitoring period: 15 sec. - 5 min.
- ◆ Available with a liquid-tight connector for cables.
- ◆ Robust thermoplastic enclosure with stainless steel cover screws.
- ◆ Convenient pre-mounted, pre-wired components.
- ◆ Choice of 1/4", 3/8" or 1/2" tubing or; 1/4" or 1/2" NPTM connections to the Digi-Pulse® sensor.
- ◆ Input voltage: available for 120 VAC (50/60 Hz) operation.
- ◆ Single SPDT output relay with 10 ampere-rated Form C contacts. (Motor Load: 1 HP @ 125 VAC). Unit ships with prewired 115 VAC female receptacle power cord.
- ◆ Fully-encapsulated solid-state electronics.
- ◆ Low-cost, simple installation due to pre-wired, pre-mounted components, plus pre-drilled panel holes [4 x 5/16 (8 mm) diameter holes].
- ◆ Modular design for ease of maintenance.

800-378-1500

Northeast Pump & Instrument

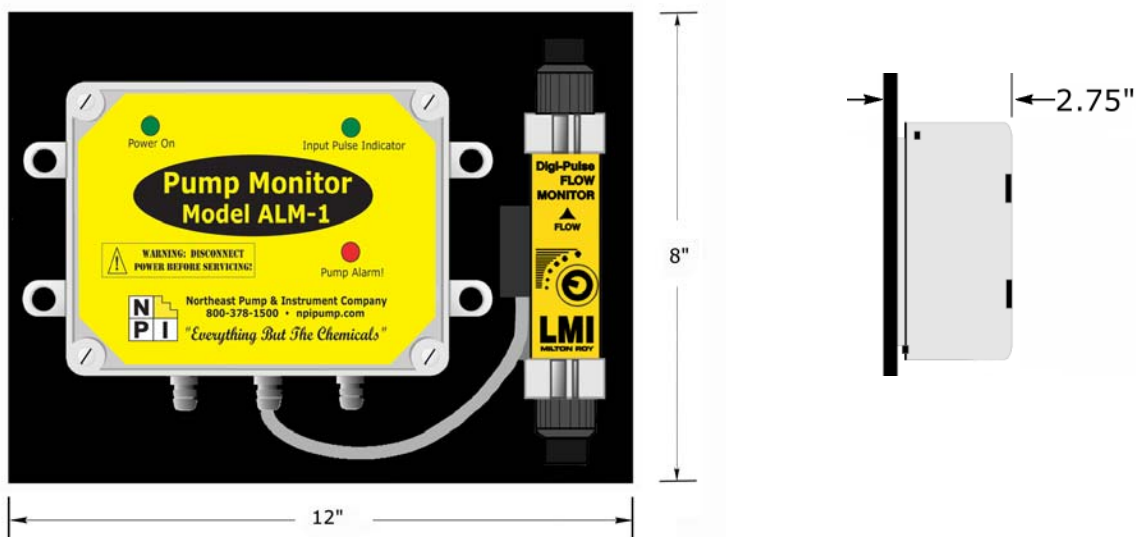
www.npipump.com

190 Summer Street, Lunenburg, MA 01462

Specifications:

Input Voltage:	120 VAC, 50/60 Hz
Power Consumption:	4 VA maximum, intermittent (during alarm 'ON' condition)
Trigger Signal:	Reed switch closure (switching low voltage) (consult NPI for other signals)
Pulse Indicator LED:	Green LED visible through the nameplate
Input Signal Isolation:	Transformer
Output Relay:	SPDT (N/O and N/C logic available), 10 amp. resistive load
Input and Output Connections:	Insulated terminal strip (20–14 Ga wire: slotted screw contact connections)
Cable Connections:	Sealed cable connector (.250" diameter cable max.) Supplied with 115 Volt female receptacle power cord
Power Cord:	120 VAC grounded plug
Enclosure:	ABS plastic
Warranty:	2 year

Dimensions



Ordering Information:

PB-ALM1-25	Fluid Connections: 1/4" O.D. tubing in and out
PB-ALM1-38	Fluid Connections: 3/8" O.D. tubing in and out
PB-ALM1-50	Fluid Connections: 1/2" O.D. tubing in and out
PB-ALM1-25P	Fluid Connections: 1/4" NPTM in and out
PB-ALM1-50P	Fluid Connections: 1/2" NPTM in and out – Consult NPI for details.

NOTE: Custom versions with ball valves or unions on inlet and outlet are available.

800-378-1500

Northeast Pump & Instrument

www.npipump.com

190 Summer Street, Lunenburg, MA 01462