

# PULSAFEEDER®

Liquid Level Control/Alarm Monitors are designed to provide reliable level control at reasonable prices. Their unique design separates the control circuitry from the level wand, allowing the control box to be mounted on the wall to avoid contact with corrosive chemical vapors. These units are ideal for low level control of a chemical pump and/or an alarm device.

The Liquid Level Monitor was designed for use with various length level wands to indicate when there is a low level condition in the chemical tank and to turn off a metering pump to prevent the pump from running dry.

The level wand is designed to be inserted into a chemical container with a 2" bung hole. The wand can then be adjusted to the proper level and secured in place. A low voltage cable connects the control box to the level wand. When a low level condition occurs the monitor deactivates the metering pump control relay and at the same time activates the alarm output relay.

Both outputs supply line voltage and can source up to 5 Amps.

The level controller is housed in a rugged NEMA 4X enclosure and designed to be simple to operate. 115 VAC models are supplied with prewired pigtailed and 230 VAC model are supplied with Conduit connections for hard wiring.

Level Wands can also be ordered separately as independent level sensors to supply a dry contact switch closure to any device requiring a low level contact, such as the PULSAtron electronic metering pumps or any controller with a dry contact drum level input.

## Features

- Power and Low Level Indicators
- Adjustable Level Wand

## Operating Benefits

- Prevents pump from running dry.
- Can be Integrated with Existing Controllers



## Aftermarket

- Water Meters
- Gauges
- Dampeners
- Pressure Relief Valves
- KOPkits
- Tanks
- Pre-Engineered Systems



**NEMA 4X**

**Liquid Level Monitors**

# Liquid Level Monitors

## Specifications and Model Selection

### Liquid Level Monitors

Part Number	Description
16-171-79	Level Monitors with 16-171-81-4 w and 115 VAC 60 Hz 15 Amp receptacles "pump" and "alarm". Level adjustable up to 60"
16-171-80	Level Monitors with 16-171-81-1 w and 115 VAC 60 Hz 15 Amp receptacles "pump" and "alarm". Level adjustable up to 42"
16-171-84	Level Monitors with 16-171-81-2 w and 115 VAC 60 Hz 15 Amp receptacles "pump" and "alarm". Level adjustable up to 26"
16-171-85	Level Monitor only less w and 115 VAC 60 Hz 15 Amp receptacles "pump" and "alarm".
16-171-81-4	Level Wand - Level adjustable up to 60". Switch contacts 28 VDC 50 mA. Order 16-171-81-3 w when using PULSAtron Pumps with the Stop Function Feature
16-171-81-1	Level Wand - Level adjustable up to 42". Switch contacts 28 VDC 50 mA. Order 16-171-81-3 w when using PULSAtron Pumps with the Stop Function Feature
16-171-81-2	Level Wand - Level adjustable up to 26". Switch contacts 28 VDC 50 mA. Order 16-171-81-3 w when using PULSAtron Pumps with the Stop Function Feature
16-171-81-3	10' cable w / connector for 16-171-81-1, 16-171-81-2 & 16-171-81-4 to use w / PULSAtron Pumps with the Stop Function Feature
-2	230V option add "-2" to end of the model number

- NOTE:**
1. When utilizing a Pulsafeeder Pump Model that does not have an external/stop feature, order 16-171-79, 16-171-80 or 16-171-84.
  2. When utilizing a Pump Model w / external/stop feature, order 16-171-81-4, 16-171-81-1 or 16-171-81-2 in addition to 16-171-81-3.
  3. When ordering 230V, add a "-2" to the end of the model number.

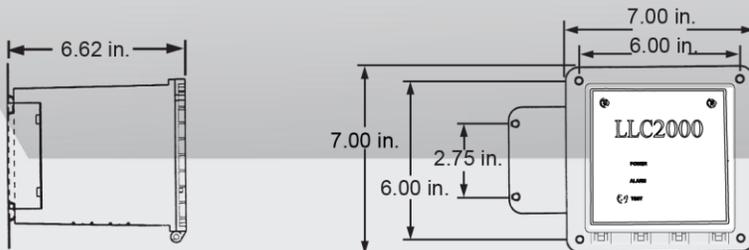
## Engineering Data

16-171-79	Wand:	64" x 3/4" (162.56 x 1.9 cm)
16-171-80	Wand:	46" x 3/4" (116.8 x 1.9 cm)
16-171-84	Wand:	30" x 3/4" (76.2 x 1.9 cm)
Wand Material:		PVC and Polypropylene
Input:		115 VAC, 50/60 Hz (maximum Tolerance 95 to 135 VAC)
Output:		115 VAC, 50/60 Hz, 5 amp Relay
Environment:		Ambient Temperature -0 to 125° F (-17.8 to 52° C) Zero to 100% relative humidity
Enclosure:		NEMA 4X
Shipping Weight:		Approximately 8 lbs

## Typical Installation



## Dimensions



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