

DROP

Pump Controller

Monitors Water Usage and Pump Diagnostics



Summary

The DROP Pump Controller is a device that can be added to a DROP system or used by itself, with the addition of the DROP Hub. When installed with the optional meter, the DROP Pump Controller monitors your water flow and will alert you to excessive usage helping to prevent or reduce water damage in the event of a burst pipe or appliance leak.

Features

- Monitors Water Pressure and turns Well Pump On and Off
- Pump load carried by a definite purpose contactor for reliability and product endurance
- Simple to install with plenty of room for wiring connections underneath the cover
- DROP App to Control System from Anywhere
- Water Usage Data and History (Meter required)
- Provides text messages, emails and/or push notifications to your smartphone.
- 5 Year Warranty

Pump Diagnostics

- Monitor pump current and protect the pump from overloads using an electronic Class 10 overload.
- Monitor incoming voltage and protect the pump in high or low voltage conditions by not turning on the pump.
- Monitors pressure and motor current to detect pump run dry conditions and open discharge conditions.
- Short cycle notification to indicate pressure tank or other equipment failures.

Home Protection

- Monitors for local leaks using a leak detection probe or cable that is connected on the underside of the housing.
- Monitors water flow by connecting a water meter to the appropriate connection on the underside of the housing.
- Monitors temperature of the general area to protect from freezing conditions.
- Shuts the pump off if a leak is detected by any DROP component in the system.
- App can be used to shut off the pump from anywhere that you have an internet connection. (The DROP system must have an active internet connection for this feature).

DROP Leak Detectors

Place DROP Leak Detectors under sinks and dishwashers, behind toilets or washing machines, near your water heater, or anywhere that water might leak or collect. If a leak or freezing temperature is detected, the Leak Detector will have the DROP Pump Controller turn off your water.

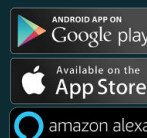


DROP

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Models	25 Full Load Amps	30 Full Load Amps
110-120 VAC Input/Pump	D-PC115-25 Control Switch Only	D-PC115-30 Control Switch Only
	D-PC115-25-K1 Control Switch, Hub & Remote	D-PC115-30-K1 Control Switch, Hub & Remote
	D-PC115-25-K2 Control Switch, Hub, Remote & Meter	D-PC115-30-K2 Control Switch, Hub, Remote & Meter
	D-PC115-25-K3 Control Switch, Hub, Remote, Meter & 2 Leak Detectors	D-PC115-30-K3 Control Switch, Hub, Remote, Meter & 2 Leak Detectors
208-240 VAC Input/Pump	D-PC230-25 Control Switch Only	D-PC230-30 Control Switch Only
	D-PC230-25-K1 Control Switch, Hub & Remote	D-PC230-30-K1 Control Switch, Hub & Remote
	D-PC230-25-K2 Control Switch, Hub, Remote & Meter	D-PC230-30-K2 Control Switch, Hub, Remote & Meter
	D-PC230-25-K3 Control Switch, Hub, Remote, Meter & 2 Leak Detectors	D-PC230-30-K3 Control Switch, Hub, Remote, Meter & 2 Leak Detectors

Like all DROP systems, the DROP Pump Controller provides the ability to shut off water to the home automatically when a problem is detected or manually through the app. Its built-in flow meter and pressure sensors can identify a broad range of problems such as continuous flow, leaky toilets, or even very small leaks from a faucet. When paired with DROP Leak Detectors through the DROP Hub, this system provides for every method of leak detection available. In addition to all the benefits associated with preventing costly water damage, the system provides useful data to aid in water conservation.

Maximum Operating Pressure Rating: 120 psi (827 kPa)
(*When watertight connectors are used)
Maximum Burst Pressure Rating: 600 psi (4000 kPa)

Environmental Type Rating: Type 3R*
Max. Temperature Rating: 120°F (49°C)
Optional 1" Flow meter is available. Nominal flow rate through meter 31 gpm / 42 gpm peak flow (at 15 psi / 25 psi pressure drop respectively).



The DROP Hub

The Pump Controller requires the function of the DROP Hub. The hub is the connection to everything on the DROP Smart Water Management system. It integrates all of your residential water devices together.



The DROP Remote

This unique device is an excellent accessory with any other DROP product. This smart remote lets you turn on/off your water with a convenient button, notifies you of new system status events, and extends your wireless DROP-Link network.



The DROP Leak Detector

Never worry about coming home to frozen pipes, absurdly high water bills or a soaked kitchen. These inconspicuous water-saving devices integrate with our smart water monitoring system to safeguard your home.



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