



## Entek PM1000 Pump Multiplexer



ENTEK PM1000 series pump multiplexer panel controls, protects and automates 1 to 6 pumps for industrial applications, commercial buildings and irrigation systems.

- Accurate pressure control with an analog pressure sensor eliminating problems with mechanical switches
- Electronic safety control against dry running
- Controls up to 6 direct online connected pumps up to 10HP per pump
- Sequence control and lead pump switching
- Automatic switchover to replace a malfunctioning pump
- Protection for short circuit, over-current, phase-loss
- Operator-friendly programming interface
- Delay feature prevents frequent start-stops
- LED indicators for Alarm and In Operation signal for each pump
- LED indicators for High and Low Pressure
- Manual override of automatic functions
- All measurement and control functions are processed by a microprocessor



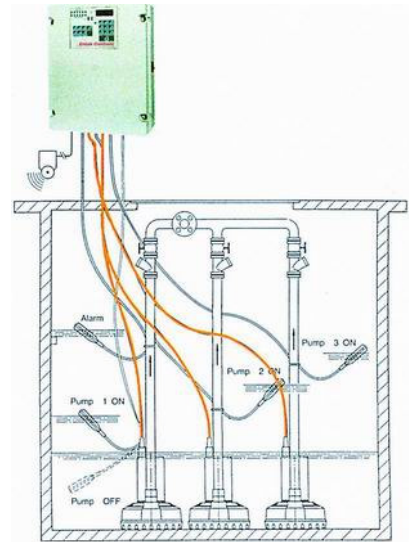
## Typical Applications:

### Submersible Waste Water Pump Control

Using level switches, PM1000 can be used to automate up to 6 submersible wastewater pumps. Input signals from up to 4 level switches at 4 different levels provide enhanced control.

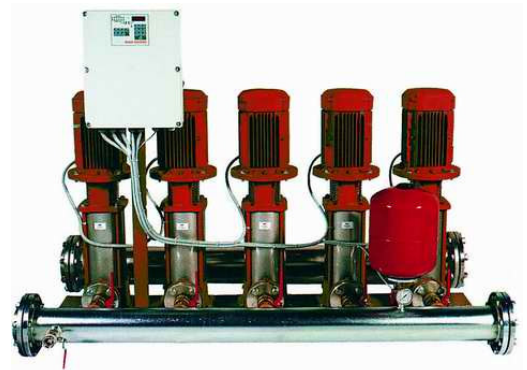
### Line Pressure Control Applications

Using analog pressure sensors, PM1000 can be used in industrial facilities or commercial buildings in order to maintain a constant line pressure by multiplexing required number of pumps. The line pressure can be accurately maintained with the help of the microprocessor control and analog pressure measurement in systems that have air tank pressure balancing. Desired line pressure can be set using the keypad interface.



### Irrigation Applications

PM1000 is used in irrigation applications where demand fluctuations are met by controlling multiple pumps. Using the microprocessor, the pumps can be programmed to work in rotation and with sequential control. Operation time is divided between the pumps with lead pump switching to optimize wear and to extend the operating life. The number of motors can be set to a desired value less than the actual quantity, leaving a desired pump out of the rotation sequence.



### Technical Specifications:

Dimensions.....	18"x15"x15"
Weight .....	16 lbs.
Digital Inputs .....	4 dry contact inputs for pressure or level switches.
Analog Input .....	1 pressure input, 4-20mA or 0-10V signal level.
Operating Voltage .....	230 V, 460V, 480V 3 phase.
General Protection Class .....	NEMA12 - IP 54
Cable Entry .....	AC Power, Signal Input, Pump Output (up to six).
Operating Temperature.....	-40°F to 185°F

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