

C800 OmniPlex Multi-Function Controller

Pressure Read Functions

OmniPlex controllers integrate fuel pressure transmitters for a variety of applications. Industrial grade pressure transmitter elements are installed into pump and filter assembly piping systems to provide inputs to the OmniPlex controller.

The primary benefit of the digital reading is that it may be communicated to the Building Management System (BMS) for trending and troubleshooting.

Suction pump systems may be monitored for low vacuum pressure indicating loss of prime. Pump discharge piping may be monitored for high pressure indication a closed valve.

Filtration systems may be monitored with a pressure transducer upstream and downstream to determine differential pressure as an indication of filter maintenance requirements.

Metering functions using positive displacement pumps use the pressure input to improve the accuracy of the rate and total volumes.

Variable Frequency Pump Drives utilize the pressure transducer input to adjust the pump operating characteristics.

Standard Duplex or Triplex pump assemblies use the pressure inputs to activate secondary pumps based on pressure maintenance requirements.



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