Proven Controls

FUEL OIL MAIN CONTROL PANEL
MULTI-FUNCTION FUEL SYSTEM CONTROL PANEL

The Fuel Oil Main Control Panel is designed to monitor and control diesel fuel transfer in systems used for emergency power applications. The Control Panel is customizable with operating software to provide the required operating functions for any or all common applications including:

- Master Communication & Control
- Generator Tank Level Control
- Pump Control
- Fuel Filtration / Polishing
- Remote Tank Fill Systems
- Leak Detection & Liquid Level Monitoring

The Fuel Oil Main Control Panel can monitor input signals from control sensors including, but not limited to tank level sensors, leak detection sensors, flow sensors, pressure sensors, pump run sensors, filter water sensors, filter differential pressure sensors, and valve position sensors.

The Fuel Oil Main Control Panel can operate output devices for the fuel system including, but not limited to solenoid valves, fuel supply pumps, fuel return pumps, actuated ball valves, and actuated butterfly valves.

The Fuel Oil Main Control Panel can include automatic/manual selector switches for the fuel transfer pump and valves. The manual mode allows the pump or valve to be activated for manual operation or testing.

The Fuel Oil Main Control Panel has the capability to communicate with different BAS/BMS monitoring systems. Standard communication protocols include, but are not limited to BACnet, Modbus, or SCADA.

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Standard Equipment

Panel Dimensions
- 24 X 24 X 10
- Enclosure sizing increases based on system inputs and outputs

Approval
- UL 508A

Power Requirements
- 120VAC 10A 60Hz 1-Phase
- Capable of 220VAC or 480VAC

Enclosure Rating
- NEMA 3R, 4, 12

Communication Protocol
- BMS/BAS Capable

PLC Manufacturer
- Automation Direct - Productivity PLC

HMI Screens
- HMI Touch Screens in various sizes (7", 10", 12", 15") - outdoor options available

Custom Options
- Multi-Tank Polishing
- Fuel Transfer between multiple tanks
- Custom NEMA rated enclosures
- Free standing unit or wall mount
- Redundant hardware options
- Fiber optic communications
- Other PLC manufacturers such as Allen Bradley, Siemens, Koyo
- Customizable end user graphics
- Custom options upon request

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