



COMMANDER-FOS DAY TANK / BELLY TANK CONTROLS

CMDR-FOS

The Smart Controller ~ Commander FOS ~ Day Tank Fuel System Controls

The SmartControls Series Day / Belly tank duplex fuel transfer system is designed for us in applications requiring backup power. The SmartControls intelligently integrates fuel system monitoring and control functions in one simple automated package. Superior quality components insure years of trouble free service. Integration with our upstream and downstream fuel storage tank and pump systems provides one call service and support from the industry Leader in mission critical fuel systems.

The Smart Controller integrates the following equipment into one system:

The Main Storage Tank, Includes (1) Level Probe and (1) Leak Sensor:

- Product Level In US Gallons.
- Product Level In Inches.
- Product Level In Percent Of Full Tank Capacity.
- High Level Alarm Status.
- High Level Warning Status.
- Low Level Warning Status.
- Low Level Alarm Status.
- Interstitial (Double Wall) Leak Sensor Status.
- Present And Historical Alarm Conditions.
- Optional Remote Fill Station Enunciation.



The Day / Belly Tank, Includes (1) Level Probe and (1) Leak Sensor:

- Product Level In US Gallons.
- Product Level In Inches.
- Product Level In Percent Of Full Tank Capacity.
- High Level Alarm Status.
- High Level Warning Status.
- Programmable Pump Start/Stop Levels.
- Low Level Warning Status.
- Low Level Alarm Status.
- Interstitial (Double Wall) Leak Sensor Status.
- Present And Historical Alarm Conditions.



The Pump Controls, Includes Duplex Motor Starters and Overload Protection:

- Pump Run Status.
- Monitors Motor Starters and Overload Protection.
- Controls Pumps up to 1.5 hp, Single Phase (3 Phase is Available)
- Programmable Start/Stop Levels.
- Sump Leak Sensor (optional)



The Return Pump Controls, One for Each Daytank (optional)

- Pump Run Status.
- Monitors Motor Starters and Overload Protection.
- Controls Pumps up to 1.5 hp, Single Phase (3 Phase is Available)
- Programmable Start/Stop Levels.
- Momentary Pump Test Button

The Filtration/Fuel Polishing System (optional).

- Monitors Filter Differential Pressure.
- Monitors Separators for Water.
- Programmable 24/7 Filtration/Fuel Polishing Schedule.
- Programmable to Filtration/Fuel Polishing the Product Utilizing The Optional Return Pump.
- Verifies Component Operations Based on the Programmable Schedule.

The BMS:

- System Summary Alarm (1) Dry
- System Summary Warning (1) Dry
- Auto Dialer for System Alarms and Warnings (optional)
- Modbus

Specifications:

- Power requirements: Power input: 230VAC 1 phase with Neutral (others available).
- Enclosure: Nema 4x (suitable for outdoor and high corrosion areas).
- UL508A listed and meets NEC (NPFA70) and NFPA 30 37 requirements. Suitable for class 2, division 2, groups B, C, D.

[More Information](#)