



EMERGENCY POWER FUEL SYSTEMS

C890 OmniPlus Control Module

Multi-Function Fuel System Controller

BAnet, Modbus, Metasys N2, or LON Communications



General Description

The C890 OmniPlus Multi-Function Controller is designed to monitor and control diesel fuel transfer for emergency power applications.

The C890 OmniPlus, like the C800 OmniPlex Module, is customized with operating software to provide required operating functions for over 6 common applications: Generator Tank Level Control, Duplex Pump Control, Fuel Filtration / Polishing, Multi-Tank Selection Control, Remote Tank Fill Systems, Dual Tank Full Systems

The C890 OmniPlus has additional capability to perform common combined function applications including control for:

- (2) Day Tanks + (1) Duplex Pump
- (1-2) Duplex Pump + (2) Tank Selection
- (1) Day Tank + (1) Duplex Pump + (1) Filter Polisher
- (1) Filter Polisher + (1) Slave Filter Polisher

The new modular wiring system allows for simplified integration of input and output devices:

Inputs: (a) tank level sensors, (b) leak detection sensors, (c) flow sensors, (d) pressure sensors, (e) pump current sensors, (f) filter water sensors, (g) filter differential pressure sensors, (h) valve position sensors.

Outputs: (a) solenoid valves, (b) fuel supply pumps, (c) fuel return pumps, (d) actuated ball valves, (e) actuated butterfly valves.

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OmniPlex Module

Dimensions	16" H x 16" W x 8" D
Approval	UL
Power	120 VAC / 5 A / 60 Hz Single or Dual Source
Enclosure	NEMA 4 Color RAL 7035 (Light Gray)
Environmental	32 to 131 F (0-55 C) -20 to 130 F with heater
Communication	BACnet, Modbus, Metasys N2, or LON
Other	Isolated Inductive Loads 5 Amp Output Relays (Typ)
Options	50 Hz Power CE Approval Intrinsic Safety Barriers Enclosure Heater
Modes	Base or Combined Applications for: Generator Tank Level Control Duplex Pump Control Fuel Filtration / Polishing Multi-Tank Selection Control Remote Tank Fill Systems



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