

Model 7700A Pump Director

Pump - Valve Electrical Control Panel

Description

The Model 7700A is the latest generation pre-wired electrical control panel that functions as an interface between the motor control center and the pump control valve. It properly sequences the operation of the pump motor with that of a GA Industries Electric Check, AWWA Ball or CHECKtronic® pump control valve during start-up, normal and emergency shutdown.

The Model 7700A utilizes solid state PLC-based logic with a user friendly 256 color touchscreen for data input and visual status outputs while a RS232 connection provides remote communication and status monitoring.

In addition to the basic pump start/stop logic, the Model 7700A also monitors valve and pump motor status, recognizes normal and abnormal conditions and initiates the proper action to protect the pump, motor and valve.

Standard Features

- Corrosion proof fiberglass enclosure with gasketed door, stainless steel continuous hinge and padlockable hasp
- Illuminated LCD touchscreen with virtual keypad
- Door mounted Local-Off-Remote selector switch and emergency stop pushbutton with manual reset
- Monitors ten input signals including power supply, L-O-R and emergency pushbutton status, digital remote pump start/stop command, pump control valve position, pump discharge pressure and fault/alarm signals
- Provides 4 powered outputs to sequence pump motor and valve operation and 15 non-powered normal and fault status outputs.
- Five digital timers, individually programmable via the touchscreen keypad to accommodate the operating conditions

Data Sheet 7700A.01B



Electrical Components

- Fiberglass enclosure meets UL/NEMA/CSA 1, 3, 3R, 4, 4X and 12; UL 508 and IEC IP66
- Input power 115-120VAC, 50/60 Hz with 5 amp circuit breaker
- Microprocessor minimum 2 MB logic memory, 120K data base memory and 9 millisecond scan time
- Minimum 5.7 inch, 256 color touch screen
- Output power regulated 24VDC +/- 5%, 0.6 amp rated
- 120 watt heater with integral thermostat
- Labeled screw type terminal blocks for all input, output and power supply connections with a minimum of 8 spare terminals

