

1. Simplex VFD controller with bypass contactor and standby autotransformer starting
2. Duplex door-in-door waste water pump controller with autotransformer starting

Variable Speed Motor Controllers

Firetrol Type: FTA611 Simplex, FTA621 Duplex and FTA631 Triplex

Approvals: UL, C-UL

Horsepowers and Speeds: 1 - 300

Voltages: 200 - 600 VAC, 3-Phase, 50 - 60 Hertz

Applications: Complete variable frequency drive pump controller with set point control for pumping applications.

Description: FTA611, 621 and 631 simplex, duplex and triplex variable speed pump controllers are designed for process monitoring and pump motor speed control. These controllers offer the economy of variable frequency motor speed control plus many standard and optional features necessary to create turn-key packaged controller systems for domestic water, HVAC, process and wet well applications.

As Standard: Controllers feature a NEMA Type 2 enclosure, main disconnect switch sized for the total horsepower of the connected motor(s), control circuit transformer, variable frequency drive(s), motor starter(s), H-O-A selector switch(es), PID and percent speed meter.

Options: Circuit Breakers, Multiple Disconnects, Power Fuses, Mounting Legs

Modifications: Special Purpose Enclosures, Anti-Condensation Space Heaters, Manual and automatic Alteration, Power On Pilot Light, Visible and/or Audible and Visible Alarms, Remote Alarm Contacts, Elapsed Time Meters, Lightning Arresters, Remote Pressure Sensing, Remote Differential Pressure Sensing, Programmable Logic Controllers, Manual and Automatic Bypass Circuits

Special: Vast application engineering support including PLC programming and extensive documentation as required.

Constant Speed Motor Controllers

Firetrol Type: See table

Approvals: UL (UL508, *Industrial Control Equipment*)

Applications: General purpose controllers used in a variety of pumping and general purpose motor control applications.

Description: Designed for constant speed motor control, these controllers are used for a variety of applications including pumps, air compressors and machinery for HVAC, sump, sewage, boiler condensate and conveyors.

As Standard: Controllers feature a NEMA Type 2 enclosure, main disconnect switch sized for the total horsepower of the connected motor(s), control circuit transformer, motor starter and H-O-A selector switch for each motor.

Modifications: Special Purpose Enclosures, Start-Stop by Remote Maintained Contacts, Start-Stop by Remote Momentary Contacts, Start-Stop Pushbuttons, Lightning Arresters, Intrinsically Safe Relays, Anti-Condensation Space Heaters, Motor Running Pilot Lights, Elapsed Time Meters, Motor Overload Pilot Lights, Start and Stop Delay Timers, Automatic Alternator, Manual Alternator, Pressure Switches, Visible and/or Audible and Visible Alarms, Bubbler Systems, Programmable Logic Controllers, Current Monitors, Pressure Monitors, Flow and/or Float Controls.

Special: Vast application engineering support including PLC programming and extensive documentation as required.

FIRETROL® , INC.

106 MacKenan Drive

P.O. Box 9000

Cary, NC 27512

Voice (919) 460-5200

FAX (919) 460-5250

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