

Fire Pump Controllers- Full Service Electric Motor

Controllers for electric motor-driven fire pumps as listed are for alternating current squirrel-cage motors unless indicated as for slip ring motors. They are available for manual operation alone or for combined manual and automatic operation. Controllers for squirrel-cage motors are FM Approved for three phase power. They are of two types: across-the-line and reduced voltage. All model code combinations may not apply.

Model FTA

Model FTAa-bcde-f Electric Motor Fire Pump Controller - Low Voltage

Standard Enclosure: NEMA/UL Type 2.

Ambient Temperature Operating Range: 39°F (4°C) to 122°F (50°C)

a = Starting Methods	b = Start/Stop Options	c = Withstand Rating	d = Horsepower
1000 - Across the Line 1250 - Part Winding 1300 - Wye Delta Open Transition 1350 - Wye Delta Closed Transition 1800 - Autotransformer 1930 - Digital Solid-State Soft Start 950 – Automatic Transfer Switch	A - Automatic start with timed permissive stop after minimum run time and manual start with manual stop, field convertible to automatic start with manual stop only B - Automatic start and manual start with manual stop C – Manual start and stop	M - Standard 100,000 Amp RMS at 200-600V N - Intermediate 150,000 Amp RMS at 200-600V P - High 200,000 Amp RMS at 200-600V Q - Standard Intermediate 65,000 Amp RMS at 200-480V R - Standard Low 42,000 Amp RMS at 550-600V	03, 05, 07 (7-1/2 HP), 10, 15, 20, 25, 30, 40, 50, 60, 75, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700
e = Voltage, Vac/60Hz	f = Modifications		
A - 220-240 AZ - 220-230 (50 Hz) B - 440-480 BZ - 415 (50 Hz) C - 550-600 F - 380 FZ - 380 (50 Hz) FF – 400 FX – 400 (50 Hz) H - 208 HH – 200 E – 220-240 (230V 60 Hz single phase) EZ – 220-230 (50 Hz single phase) T – 208 (60 Hz single phase) TT – 200 (60 Hz single phase)	<p>Special Enclosures T - NEMA Type 3R E - NEMA Type 4 F - NEMA Type 4X #304 Stainless Steel FXP - NEMA Type 4X #304 Painted Steel FD - NEMA Type 4X #316 Stainless Steel FDB - NEMA Type 4X #316 Brushed, Stainless Steel FDP - NEMA Type 4X #316 Painted Steel G - NEMA Type 12</p> <p>Automatic Power Transfer Switches FTA900 - generator set emergency supply FTA901 - generator set emergency supply with bypass isolation switch FTA950 - second utility emergency supply FTA951 - second utility emergency supply with bypass isolation switch</p> <p>Pressure Transducers B - 0-500 psi (0-34.4 bar) Fresh Water C - 0-300 psi (0-21.1 bar) Corrosive Service D - 0-500 psi (0-34.4 bar) Corrosive Service</p> <p>Anti-Condensation Space Heaters H - 120V J - 120V w/Thermostat K - 120V w/Humidistat L - 240V M - 240V w/Thermostat N - 240V w/Humidistat</p> <p>Alarms and Contacts AC – Extra contacts (normally open & normally closed) for remote indication, pump operating AF – Visible low pump room temperature alarm AG – Visible reservoir low alarm AM – Contacts for remote indication, pump fail to start AV – Contacts for remote indication, low pump room temperature (requires option AG) AY – Configurable low suction pressure visible alarm and contacts for remote indication c/w external digital input AZ – Low pump room temperature switch, mounted and wired</p>		

BW – Contacts for remote indication combining phase failure and phase reversal
 BY - Contact for remote indications, overcurrent
 CTS – Low suction pressure audible/visible alarm and contacts for remote indication c/w manual reset option and pressure switch
 EH – Main relief valve open visible alarm and contacts for remote indication
 EK – Flow meter open visible alarm and contacts for remote indication
 KH – Alarm Output Contacts, Common Alarm
 JR – Visible jockey pump running indication
 P – Built-in alarm system (Includes visible supervisory voltage normal indication and audible pump operating, phase failure and phase reversal indication)
 PE – Contacts for remote indication, pump on demand
 PT – Built-in alarm system, 220 VAC supervisory power (Includes visible supervisory voltage normal indication and audible pump operating, phase failure and phase reversal indication)

Miscellaneous
 ED – Permanent load shedding on alternate side and adjustable time delay to remove non-critical loads before starting
 EL – High zone pump control function
 EM – Medium zone pump control function
 EN – Low zone pump control function
 IEC – CE Marking with Externally Mounted Wet Parts
 PY – Motor space heater output contact
 S – Tropicalization
 USBX – External USB Port
 ZPM – RS485 Modbus RTU

Company Name:	Firetrol Inc
Company Address:	3412 Apex Peakway, Apex, North Carolina 27502, USA
Company Website:	http://firetrol.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	1321-Fire Pump Ctrls, ElecMtr