



Mark IIxG Electric Fire Pump Controller

FTA1000 - FTA1930 Model Number Selection Guide

FTA1000, 1250, 1300, 1350, 1500, 1800, 1930 ELECTRIC FIRE PUMP CONTROLLERS

Example: FTA1300-AM75HH-xx

Starting Method
 1000 - Across-the-line (direct on line)
 1250 - Part Winding (50%-50% windings)
 1300 - Wye-delta (star-delta), open transition
 1350 - Wye-delta (star-delta), closed transition
 1500 - Primary resistor
 1800 - Autotransformer
 1930 - Digital Solid-state soft start/stop

Start/Stop Options
 A - Automatic start with timed permissive stop after minimum run time and manual start with manual stop, field convertible to automatic start and manual start with manual stop only
 B - Automatic start and manual start with manual stop
 C - Manual start and stop

Short Circuit Current Rating
 M - Standard short circuit rating
 100,000 Amperes RMS Sym. at 200 - 600 V
 N - Intermediate short circuit rating
 150,000 Amperes RMS Sym. at 200 - 600 V
 P - High short circuit rating
 200,000 Amperes RMS Sym. at 200 - 600 V
 Q - Standard intermediate short circuit rating
 65,000 Amperes RMS Sym. at 550 - 600 V
 R - Standard low short circuit rating
 42,000 Amperes RMS Sym. at 550 - 600 V

Horsepower Rating

| | |
|---------------|--------------|
| 03 - 3 HP | 100 - 100 HP |
| 05 - 5 HP | 125 - 125 HP |
| 07 - 7 1/2 HP | 150 - 150 HP |
| 10 - 10 HP | 200 - 200 HP |
| 15 - 15 HP | 250 - 250 HP |
| 20 - 20 HP | 300 - 300 HP |
| 25 - 25 HP | 350 - 350 HP |
| 30 - 30 HP | 400 - 400 HP |
| 40 - 40 HP | 450 - 450 HP |
| 50 - 50 HP | 500 - 500 HP |
| 60 - 60 HP | 600 - 600 HP |
| 75 - 75 HP | 700 - 700 HP |

Three Phase Voltage
 A - 220-240 Volt, 60 Hertz (230 V)
 AZ - 220-230 Volt, 50 Hertz
 B - 440-480 Volt, 60 Hertz (460 V)
 BZ - 415 Volt, 50 Hertz
 C - 550-600 Volt, 60 Hertz (575 V)
 F - 380 Volt, 60 Hertz
 FZ - 380 Volt, 50 Hertz
 H - 208 Volt, 60 Hertz
 HH - 200 Volt, 60 Hertz

Modifications
 See Back

Model Number Selection Guide - Options & Modifications

SPECIAL ENCLOSURES

- T NEMA Type 3R (IEC IP22), Painted Steel
- E NEMA Type 4 (IEC IP66), Painted Steel
- F NEMA Type 4X (IEC IP66), #304 Stainless Steel, Unfinished**
- FXP NEMA Type 4X (IEC IP66), #304 Stainless Steel, Painted Finish
- FD NEMA Type 4X (IEC IP66), #316 Stainless Steel, Unfinished**
- FDB NEMA Type 4X (IEC IP66), 12 Gauge, Seam Welded, #316 Stainless Steel, Polished and Brushed Finish
- FDP NEMA Type 4X (IEC IP66), #316 Stainless Steel Painted Finish
- G NEMA Type 12 (IEC IP54), Painted Steel
- ** Unfinished (Not painted, polished or brushed).

CIRCUIT BREAKER OPTION

- N Intermediate withstand rating
150,000 Amps RMS Sym.
- P High withstand rating
200,000 Amps RMS Sym

Note: Intermediate and High withstand ratings may not be available for all horsepower and voltages. Consult factory for availability.

ANTI-CONDENSATION SPACE HEATERS

- H 120 Volt Space Heater
- J 120 Volt Space Heater With Thermostat
- K 120 Volt Space Heater With Humidistat
- L 240 Volt Space Heater
- M 240 Volt Space Heater With Thermostat
- N 240 Volt Space Heater With Humidistat

PRESSURE TRANSDUCERS

- B 0-600 psi (0-42.25 bar) Pressure Transducer for Fresh Water Service
- C 0-300 psi (0-21.1 bar) Pressure Transducer for Copper Corrosive Service
- D 0-600 psi (0-42.25 bar) Pressure Transducer for Corrosive Service

COMBINED AUTOMATIC POWER TRANSFER SWITCHES

- FTA950 - Generator/Utility emergency source
- FTA951 - Bypass Isolation for Generator/Utility emergency source

ALARMS

- AC Extra contacts (normally open & normally closed) for remote indication, pump operating
- AF Audible and Visible low pump room temperature alarm
- AG Audible and Visible reservoir low alarm
- AH Audible and Visible low suction pressure alarm
- AM Contacts for remote indication, pump fail to start
- AV Contacts for remote indication, low pump room temperature (Requires option -AF)
- AW Contacts for remote indication, reservoir low (Requires option -AG)
- AY Contacts for remote indication, low suction pressure (Requires option -AH)

- AZ Low pump room temperature switch, mounted and wired
- BW Extra contacts for remote indication, phase failure/phase reversal
- BY Contacts for remote indication, pump overload
- COM Low Suction Pressure Alarm. (Includes selectable auto/manual reset, audible, visible and remote alarms, initiating pressure switch NOT included)
- CTS Built-in Low Suction Pressure Alarm Panel (Includes selectable auto/manual reset, audible, visible and remote alarms and wired and mounted pressure switch)
- EG Audible and Visible relief valve discharge alarm
- EH Contacts for remote indication, relief valve discharge (Requires option -EG)
- EJ Audible and Visible flow meter on alarm
- EK Contacts for remote indication, flow meter on (Requires option -EJ)
- KH Contacts for remote indication, common output for any alarm
- JR Visible jockey pump running indication
- JT Audible and Visible jockey pump trouble 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, low system pressure (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 Load shed circuits (Selectable power source and adjustable time delay to remove non-critical loads before starting)
 - EL Series pumping, high zone controller
 - EM Series pumping, mid zone controller(s)
 - EN Series pumping, low zone controller
 - FZX 400 VAC Operation (Controller labeled for operation at 380-400 VAC - Use with voltage code FZ)
 - IEC CE Marking with Externally Mounted Wet Parts
 - IECI CE Marking with Internally Mounted Wet Parts
 - OSP OSHPD Seismic Certification (State of California) (Requires Option -SEI)
 - PY Motor space heater output contacts
 - S Tropicalization
 - SEI Seismic Certification (in accordance with IBC) (Note: Not available on model FTA1500)
 - USBX External USB Port
 - ZPA Customized, annual service display message (when factory programmed or programmed by Firetrol representative during start-up)
 - ZPN Serial Modbus RTU over Ethernet TCP/IP using 5150 Connectivity Module
 - ZPM Serial Modbus RTU over 2-wire or 4-wire RS485
- Export packaging (Wooden crating to conform to IPPC Standards)
FTA1000 - 1930

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