



**FTA1000, 1250, 1300, 1350, 1500, 1800, 1900, 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  
 1900 - Solid-state soft start/stop  
 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

**Modifications**  
See Back

**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

## SPECIAL ENCLOSURES

- T NEMA Type 3R (IEC IP14), Painted Steel
  - E NEMA Type 4 (IEC IP56), Painted Steel
  - F NEMA Type 4X (IEC IP56), #304 Stainless Steel, Unfinished\*\*
  - FXP NEMA Type 4X (IEC IP56), #304 Stainless Steel, Painted Finish
  - FD NEMA Type 4X (IEC IP56), #316 Stainless Steel, Unfinished\*\*
  - FDB NEMA Type 4X (IEC IP56), 12 Gauge, Seam Welded, #316 Stainless Steel, Polished and Brushed Finish
  - FDP NEMA Type 4X (IEC IP56), #316 Stainless Steel Painted Finish
  - G NEMA Type 12 (IEC IP52), 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 Sea Water, Foam or Copper Corrosive Service
- D 0-600 psi (0-42.25 bar) Pressure Transducer for Sea Water, Foam or Copper Corrosive Service

## AUTOMATIC POWER TRANSFER SWITCHES

FTA900 - generator set emergency supply  
FTA950 - second utility emergency supply  
(Refer to publication SD900-20)

FTA901 - bypass isolation switch for generator set emergency supply

FTA951 - bypass isolation switch for second utility emergency supply  
(Refer to publication SD901-20)

## ALARMS

- AC Extra contacts (normally open & normally closed) for remote indication, pump operating
- AF Audible and Visible low pump room temperature alarm
- AG Built-in reservoir low alarm
- AH Audible low suction pressure alarm
- AM Contacts for remote indication, pump fail to start
- AV Contacts for remote indication, low pump room temperature
- AW Contacts for remote indication, reservoir low
- AY Contacts for remote indication, low suction pressure
- 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 mounted and wired pressure switch)
- EG Visible Relief Valve Discharge alarm
- EH Contacts for remote indication, relief valve discharge
- EJ Built-in flow meter on alarm
- EK Contacts for remote indication, flow meter on
- 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)
- PB Built-in low system pressure visible alarm with manual reset
- PE Contacts for remote indication, low system pressure
- 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)
- HV Audible alarm device

## MISCELLANEOUS

- DZ Test push-button and solenoid valve\*
- ED Load shed circuits
- EL Series pumping, high zone controller
- EM Series pumping, mid zone controller(s)
- EN Series pumping, low zone controller
- PY Motor space heater output contacts
- S Tropicalization
- ZPA Customized, annual service display message (when factory programmed or programmed by Firetrol representative during start-up)
- ZPN 5150 Ethernet Connectivity Module (Allows users to monitor limited controller status via a single computer or over a computer network)
- ZPM Serial Modbus RTU Communications Protocol (Allows users to monitor all aspects of the controller status via a RS485 communications network (system integration required). (Includes RS485 to twisted pair breakout module, optical isolation module (4000 ft. range), DC power supply and customer connection terminal blocks).

Export packaging (Wooden crating to conform to IPPC Standards)  
FTA1000 - 1900

\*Weekly Test Timer - Standard

# Firetrol®

ASIA • AUSTRALIA • BRAZIL • CANADA • GERMANY • JAPAN • MEXICO • SOUTH AFRICA • UNITED ARAB EMIRATES • UNITED KINGDOM • UNITED STATES

**ASCO** Power Technologies

(919) 460-5200 • [www.firetrol.com](http://www.firetrol.com) • Sales Office: Cary, NC 27518 USA

SD1000-21 (10-01-08)

©ASCO 2008

Printed in the U.S.A.