

FTA550E XG Jockey Pump Controllers Product Description



Description—Firetrol® FTA550E XG Jockey Pump Controllers are intended for use with fire pump systems. They are used for pressure maintenance in fire pump installations to prevent unnecessary operation of the main fire pump.

Approvals—Firetrol jockey pump controllers are listed by Underwriters’ Laboratories, Inc., in accordance with UL508A, Standard for Industrial Controls, and CSA, Standard for Industrial Control Equipment. They are built to meet or exceed the requirements of the approving authorities as well as NEMA and the latest edition NFPA 70, National Electrical Code.

Standard Features—The following are included as standard with each controller:

- NEMA Type 2 (IEC IP22) Painted Steel Enclosure
- Circuit Breaker
- Horsepower rated motor starter
- Suitable for use as service equipment
- HAND-OFF-AUTO selector switch
- Minimum run timer
- On-Delay timer
- Pump Restart Timer
- Control circuit transformer with 24VAC secondary
- 0-300 psi (0-20.7 bar) stainless steel solid state pressure transducer
- Overpressure indication
- Low Pressure indication

- Failed to start indication
- Main switch not in “Auto” alarm
- Pressure recording
- Event log (3000 events stored in controller memory)
- Data log (including cycle counter)
- Door mounted display/user interface featuring a 128 x 64 pixel backlit LCD Graphical Display, Membrane Type User Controller Push-buttons and LED indication for:
 - Power ON
 - Pump Running
 - Alarm
- 2 lines of user selectable display information

NOTE: FTA550E XG Jockey Pump Controllers are available as standard in the voltage/horsepower combinations shown below and with the options shown on the reverse side. For other combinations and options, please consult your Firetrol representative or the factory.

VOLTAGE 3-PHASE (50/60 Hertz)	MAX HP	Short Circuit Current Rating
-H 200 - 208V	25	65kA
-A 220 - 240V	30	65kA
-F 380 - 415V	40	65kA
-B 440 - 480V	50	65kA
-C 550 - 600V	50	25kA

VOLTAGE 1-PHASE* (50/60 Hertz)	MAX HP	Short Circuit Current Rating
-D 110-120V	5	5kA
-T 200-208V	15	5kA
-E 220-240V	15	5kA

* Single phase units supplied standard with fusible disconnect switch and fuses

NOTE: Firetrol Brand Jockey Pump controllers DO NOT CONTAIN MERCURY filled pressure switches.



SPECIAL ENCLOSURES

- T NEMA Type 3R (IEC IP22)
 - E NEMA Type 4 (IEC IP66)
 - F NEMA Type 4X (IEC IP66)
 - 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)
- ** Unfinished (Not painted, polished or brushed)

HIGHER SHORT CIRCUIT CURRENT RATING

(See selection data sheet)

Fusible Disconnect Switch with Fuses (200kA)

ANTI-CONDENSATION SPACE HEATERS¹

- 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

¹ Power source supplied by others

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 Corrosive Service
- D 0-600 psi (0-42.25 bar) Pressure Transducer for Corrosive Service

MISCELLANEOUS

- AC Contacts for Remote Indication, Pump Run
- AG Audible and Visible Low Reservoir alarm
- AM Contacts for Remote Indication, Failed to Start
- AST Auto Start Contacts (for connection to user supplied N.O. remote starting device)
- AW Contacts for Remote Indication, Reservoir Low (Requires option -AG)
- BW Contacts for Remote Indication, Phase Failure/Reversal
- BY Contacts for Remote Indication, Pump Overload
- CPL Contacts for Remote Indication, System Overpressure
- EF Contacts for Remote Indication, Switch Not in Auto
- HV Audible Alarm
- IEC CE Marking with Externally Mounted Wet Parts
- IECI CE Marking (Internal Wet Parts)
- KH Contacts for Remote Indication, Common Output for Any Alarm
- NZ Interlock Input Contacts to Prevent Jockey Pump from Starting During Main Controller Operation
- OSP OSHPD Seismic Certification (State of California) (Requires option -SEI)
- PE Contacts for Remote Indication, Low System Pressure (Pump On Demand)
- S Tropicalization
- SEI Seismic Certification (in accordance with IBC)
- ZPA Customized, annual service display message (when factory programmed or programmed by Firetrol representative during start-up)
- ZPJ Communications, Serial Modbus over RS485, 2 or 4 wire

*Export Packaging available for additional cost

NOTE: For requirements not listed here, please contact your Firetrol representative or the factory.

Emerson Network Power - Global Headquarters

1050 Dearborn Drive
Columbus, OH 43085
Tel +1 614 888 0246

EmersonNetworkPower.com

ASCO Power Technologies - Firetrol Brand Products

111 Corning Road, Suite 120
Cary, NC 27518
Tel +1 919 460 5200 • Fax +1 919 460 5250

Firetrol.com

While every precaution has been taken to ensure accuracy and completeness herein, ASCO assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Information and specifications are subject to change without notice. Emerson, Consider It Solved., Emerson Network Power, the Emerson Network Power Logo, ASCO, Firetrol and the Firetrol Logo are trademarks or registered trademarks of Emerson Electric Co. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. ©2013 Emerson Electric Co. PD550E-01 (B)

EMERSON. CONSIDER IT SOLVED.™