

# FTA550F XG Jockey Pump Controllers Product Description



**Description**—Firetrol® FTA550F 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 2/12 (IEC IP22/IP54) Polycarbonate enclosure (UL50E Construction)
- Horsepower rated motor circuit protector and starting contactor
- 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:** FTA550F XG Jockey Pump Controllers are only available in the voltage/horsepower combinations shown below and with the options shown on the reverse side. For other combinations and options, see documentation for FTA550E series XG Jockey Pump Controllers.

	<b>VOLTAGE 3-PHASE (50/60 Hertz)</b>	<b>MAX HP (MCP)</b>	<b>Short Circuit Current Rating</b>
-H	200-208	7.5	30kA
-A	220-240	10	30kA
-F	380-415V - WYE	15	30kA
-B	440-480V - WYE	20	30kA
-C	550-600V - WYE	20	18kA

	<b>VOLTAGE 1-PHASE (50/60 Hertz)</b>	<b>MAX HP (MCP)</b>	<b>Short Circuit Current Rating</b>
-D	110-120 Volts	2	5kA
-T	200-208 Volts	3	5kA
-E	220-240 Volts	5	5kA

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

## OPTIONS & MODIFICATIONS

### SPECIAL ENCLOSURES

- T NEMA Type 3R (IEC IP22)\*
- E NEMA Type 4 (IEC IP66)\*
- F NEMA Type 4X (IEC IP66)\*

\* Supplied with non-metallic enclosure

### ANTI-CONDENSATION SPACE HEATERS<sup>1</sup>

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

<sup>1</sup> 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
- AM Contacts for Remote Indication, Failed to Start
- AST Auto Start Contacts (for connection to user supplied N.O. remote starting device)

- BW Contacts for Remote Indication, Phase Failure/Reversal
- BY Contacts for Remote Indication, Pump Overload
- EF Contacts for Remote Indication, Switch Not In Auto
- HV Audible Alarm (required if local audible alarm indication is desired).
- 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)
- 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 (higher short circuit ratings, larger horsepower, options not listed...etc) please refer to documentation for FTA550E series Jockey Pump Controllers.

#### Emerson Network Power - Global Headquarters

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

[EmersonNetworkPower.com](http://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](http://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. PD550F-01 (B)

**EMERSON. CONSIDER IT SOLVED.™**