



Jockey_{XG} Pump Controllers



Description—Firetrol® FTA550E Jockey_{XG} 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 (0-21 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) Rating	MAX HP	Short Circuit Current
-H	200 - 208V	25	65kA
-A	220 - 240V	30	65kA
-F	380 - 415V	40	65kA
-B	440 - 480V	50	65kA
-C	550 - 600V	50	14kA

	VOLTAGE 1-PHASE* (50/60 Hertz) Rating	MAX HP	Short Circuit Current
-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.

Product Description - Options & Modifications

SPECIAL ENCLOSURES

- E Enclosure, NEMA Type 4 (IP66), Painted Steel
- F Enclosure, NEMA Type 4X (IP66), #304 Stainless Steel, Brushed Finish
- FD Enclosure, NEMA Type 4X (IP66), #316 Stainless Steel, Brushed Finish
- FDB Enclosure, NEMA Type 4X (IP66), #316 Stainless Steel, 12 Gauge, Seam Welded, Brushed Finish
- FDP Enclosure, NEMA Type 4X, #316 Stainless Steel, Painted Finish
- FXP Enclosure, NEMA Type 4X (IP66), #304 Stainless Steel, Painted Finish
- G Enclosure, NEMA Type 12 (IP54), Painted Steel
- T Enclosure, NEMA Type 3R (IP24), Painted Steel

HIGHER SHORT CIRCUIT CURRENT RATING

(See selection data sheet)

Fusible Disconnect Switch with Fuses (100kA)

ANTI-CONDENSATION SPACE HEATERS¹

- H Space Heater, 120V Externally Powered with Circuit Breaker
- J Space Heater, 120V Externally Powered with Circuit Breaker and Thermostat
- K Space Heater, 120V Externally Powered with Circuit Breaker and Humidistat
- L Space Heater, 240V Externally Powered with Circuit Breaker
- M Space Heater, 240V Externally Powered with Circuit Breaker and Thermostat
- N Space Heater, 240V Externally Powered with Circuit Breaker and Humidistat

¹ Power source supplied by others

PRESSURE TRANSDUCERS

- B Wetted Parts Including Pressure Sensor, 600 psi (42 Bar), Fresh Water
- C Wetted Parts Including Pressure Sensor, 300 psi (21 Bar), Sea Water
- D Wetted Parts Including Pressure Sensor, 600 psi (42 Bar), Sea Water

MISCELLANEOUS

- AC Alarm Output Contacts, Pump Operating (2 Sets)
- AG Alarm, Audible/Visible, Reservoir Low
- AM Alarm Output Contacts, Fail To Start
- AST Input Terminals, Automatic Start
- AW Alarm Output Contacts, Reservoir Low (Requires option -AG)
- BW Alarm Output Contacts, Phase Fail/Phase Reversal
- BY Alarm Output Contacts, Pump Overload
- CPL Alarm Output Contacts, Overpressure
- EF Alarm Output Contacts, Main Switch Not In Auto (1 Set)
- HV Alarm, Audible
- IEC Marking, CE with External Wet Parts
- IECI Marking, CE with Internal Wet Parts
- KH Alarm Output Contacts, Common Alarm
- NZ Input Terminals, Shutdown Interlock
- OSP Marking, OSHPD Seismic Certification (State of California) - (Requires option -SEI)
- PE Alarm Output Contacts, Low System Pressure
- S Tropicalization
- SEI Marking, Seismic Certified
- ZPA Scheduled Service Message
- ZPJ Data Port, Serial Modbus RTU Over 2-Wire or 4-Wire RS485

*Export Packaging available for additional cost

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

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