

MARK^{III+} Electric Fire Pump Controllers

SPECIAL ENCLOSURES

Option	Description
---	Enclosure, NEMA Type 2 (IEC IP22), Painted Steel (Standard)
-E	Enclosure, NEMA Type 4 (IEC IP65), Painted Steel
-F	Enclosure, NEMA Type 4X (IEC IP66), #304 Stainless Steel, Brushed Finish
-FD	Enclosure, NEMA Type 4X (IEC IP66), #316 Stainless Steel, Brushed Finish
-FDB	Enclosure, NEMA Type 4X (IEC IP66), #316 Stainless Steel, Seam Welded, Brushed Finish
-FDP	Enclosure, NEMA Type 4X (IEC IP66), #316 Stainless Steel, Painted Finish
-FXP	Enclosure, NEMA Type 4X (IEC IP66), #304 Stainless Steel, Painted Finish
-G	Enclosure, NEMA Type 12 (IEC IP54), Painted Steel
-T	Enclosure, NEMA Type 3R (IEC IP24), Painted Steel
-U	Enclosure, NEMA Type 3 (IEC IP54), Painted Steel

CIRCUIT BREAKER OPTION

Option	Description									
Standard Short Circuit Current Rating										
-M	200-208V	220-240V	380-415V	440-480V	550-600V	200-208V	220-240V	380-415V	440-480V	
-R	5-150 HP	5-200 HP	5-350 HP	5-400 HP	5-500 HP	200 HP	250-400 HP	400-500 HP	450-500 HP	
	100kA (M)	100kA (M)	100kA (M)	100kA (M)	50kA (R)	50kA (M)	50kA (M)	50kA (M)	50kA (M)	
Intermediate Short Circuit Current Rating										
-N	200-208V	220-240V	380-415V	440-480V	550-600V	200-208V	220-240V	380-415V	440-480V	
-Q	5-150 HP	5-200 HP	5-350 HP	5-400 HP	5-500 HP	200 HP	250-400 HP	400-500 HP	450-500 HP	
	150kA (N)	150kA (N)	150kA (N)	150kA (N)	100kA (Q)	N/A	N/A	N/A	N/A	
High Short Circuit Current Rating										
-P	200-208V	220-240V	380-415V	440-480V	550-600V	200-208V	220-240V	380-415V	440-480V	
	5-150 HP	5-200 HP	5-350 HP	5-400 HP	5-500 HP	200 HP	250-400 HP	400-500 HP	450-500 HP	
	200kA	200kA	200kA	200kA	NA	100kA	100kA	100kA	100kA	

ANTI-CONDENSATION SPACE HEATERS

Option	Description
None	
-J	Space Heater, 120V Externally Powered with Circuit Breaker & Thermostat
-K	Space Heater, 120V Externally Powered with Circuit Breaker & Humidistat
-M	Space Heater, 240V Externally Powered with Circuit Breaker & Thermostat
-N	Space Heater, 240V Externally Powered with Circuit Breaker & Humidistat
-JKP	Space Heater, 120V Externally Powered with Circuit Breaker, Thermostat and Humidistat in Parallel
-MNP	Space Heater, 240V Externally Powered with Circuit Breaker, Thermostat and Humidistat in Parallel

PRESSURE TRANSDUCERS, SOLENOID VALVES, PLUMBING

Option	Description
---	Wetted Parts including Pressure Sensor and Test Solenoid, 300 PSI (20.4 Bar) Fresh Water
-BI	Wetted Parts including Pressure Sensor and Test Solenoid, 500 PSI (34.5 Bar) Fresh Water (For Factory Calibration Purposes Only)
-C1	Wetted Parts including Pressure Sensor and Test Solenoid, 300 PSI (20.4 Bar), Sea Water
-D1	Wetted Parts including Pressure Sensor and Test Solenoid, 500 PSI (34.5 Bar), Sea Water
-SP1	Low Suction Pressure Transducer, Fresh Water, 0-300 PSI (20.4 Bar) with Visible Indication and Output Contacts
-SP2	Low Suction Pressure Transducer, Sea Water, 0-300 PSI (20.4 Bar) with Visible Indication and Output Contact

FOAM PUMP APPLICATIONS

Option

Description

Required For Foam

- LR1 Low Foam Level External Input, Visible Indications and Alarm Contacts, Additive with Provisions for Proof Pressure Switch Connection, With Lockout and Remote Alarm Indication For Interlock On (Locked Out)

Required For Foam

- LK1 Foam Pump Application With Pressure Transducer and Run Test Solenoid Valve (Auto. Start)
- LK2 Foam Pump Application With Pressure Transducer and Run Test Solenoid Valve, Stainless Steel (Auto. Start)
- LK3 Foam Pump Application Without Pressure Transducer and Run Test Solenoid Valve (Manual Start)

Optional For Foam

- DVC Operation, Dump Valve Control

ALARMS

Option

Description

- AC Extra Alarm Output Contacts, Pump Operating (2 Form-C)
- AM Alarm Output Contacts, Fail to Start
- AV Alarm Output Contacts, Low Pump Room Temperature
- AW Alarm Output Contacts, Reservoir Low
- AYI Configurable Low Suction Pressure, Visible/Output Contacts with External Digital Input
- BWI Extra Alarm Output Contacts, Phase Failure/Phase Reversal
- BYI Alarm Output Contacts, Overcurrent
- CTSI Configurable Low Suction Pressure, Visible/Output Contacts with Suction Pressure Transducer
- EHI Alarm Output Contacts, Main Relief Valve Open
- EK Alarm Output Contacts, Flow Meter Open
- JR Visible Indicator, Jockey Pump Operating
- JT Alarm, Audible/Visible, Jockey Pump Trouble
- KH Alarm Output Contacts, Common Alarm
- PI Alarm, Audible/Visible, Built-In 120V Supervisory System (Includes Visible Supervisory Voltage Normal Indication and Audible Pump Operating, Phase Failure and Phase Reversal Indication)
- PE Alarm Output Contacts, Low System Pressure (Pump on Demand)
- PT Alarm, Audible/Visible, Built-In 240V Supervisory System (Includes Visible Supervisory Voltage Normal Indication and Audible Pump Operating, Phase Failure and Phase Reversal Indication)

MISCELLANEOUS

Option

Description

- ED2 Normal Source Load Shedding with Adjustable Time Delay to Remove Non-Critical Loads Before Starting
- EL Series Pumping Operation, High Zone Controller
- EM Series Pumping Operation, Mid Zone Controller
- EN Series Pumping Operation, Low Zone Controller
- IEC Marking, CE with External Wet Parts (Requires NEMA Type 12 (IP54) Enclosure as Minimum)
- MZN Neutral Lug, Service Entrance, Non-Insulated Bonded to Enclosure
- OSP Seismic Certification compliant to OSHPD (CA) for rigid base or wall mount only
- PK Terminal Blocks, Extra Remote Start
- PY Output Contacts, Motor Space Heater, Externally Powered
- S Tropicalization
- SEI Seismic Certification compliant to CBC 2019, IBC 2018 for rigid base or wall mount only
- USBX Data Port, External USB
- ZPMI Data Port, RS-485 Modbus RTU
- Y55 Controller Temperature Rating, 55°C (131°F) Ambient Temperature
- XCR Export Packaging (Wooden Crating to Conform to IPPC Standards)

TRANSFER SWITCH ONLY OPTIONS

Option	Description
-EC	Extra Contacts for Remote Indication, Transfer Switch Position
-ED1	Alternate Source Load Shedding with Adjustable Time Delay to Remove Non-Critical Loads Before Starting

Firetrol, Inc.

3412 Apex Peakway
Apex, North Carolina 27502
P +1 919 460 5200
F +1 919 460 5250
www.firetrol.com

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