PEERLESS FireConnect®

Jockey Controller & Remote Monitoring

TECHNICAL SPECIFICATIONS

Product:	FireConnect Jockey Controller
Microprocessor:	AMI Vapor Mark IV (FireConnect) MC Proface/Magelis (HMI)
Input (FireConnect):	4x Digital Inputs 8x Analog Inputs (4-20mA) 1x Relay Output
Input/ Output (Fire System):	Option Dependent w/Multiple 24VAC Relay Contacts NO/NC
Communication (Cloud):	3G, 4G LTE, GPS (Cellular/Global SIM)
Communication (Physical Layer):	MODBUS RTU (Protocol) RJ45 & RS485
Controller Compatibility:	Master Control Systems, Firetrol, Eaton, and Tornatech
Dimensions:	26.5" x 15.5" x 8.5" (Enclosure)
Dimensions:	25.5" x 10.0" (Mounting)
Weight:	40 LBS (Dependent Upon Options)

Horsepower & Supply Ratings:	**Single Phase:**	1/3 — 3/4 HP	120 VAC
		1/3 — 3 HP	240 VAC
	Three Phase:	1/3 — 5 HP	208 VAC
		1/3 — 5 HP	240 VAC
		1/3 — 15 HP	380 / 415 VAC (50Hz)
		1/3 — 25 HP	440 / 600 VAC

Environment:	$-22\,°F$ to $158\,°F$ $[-30\,°C$ to $70\,°C]$
User Interface:	Internet browser, Mobile apps: iOS & Android (Monitoring Only) Human Machine Interface (Controller)
Enclosure:	UL Type-1

Fire Pump Controller Alarms:	**Electric:** 24VAC Relay Contacts NO/NC	AL1 — Pump Running AL2 — AC Failure (Phase Loss) AL3 — Phase Reversal AL4 — System Trouble
	Diesel: 24VAC Relay Contacts NO/NC	AL1 — Pump Running AL2 — System Trouble AL3 — Switch Not in Auto AL4 — Pump Room Trouble

Standard Controller Features:	-Backlit 16-character, 2 row LCD	-Restart timer setting
	-PSI or BAR	-Excessive starts alarm
	-Motor Run Hours	-Overpressure alarm
	-Number of starts	-Shutdown setting
	-Number of starts; 24 -hours	-Menu navigation buttons
	-Start and Reset settings	-300 psi transducer and fittings
	-Minimum run timer setting	-Manual Motor Protector

Additional Controller Features:	Delayed start setting Visual Running indication Visual Excessive starting alarm Visual Overpressure alarm and shutdown Visual Failure to Start alarm Lock settings jumper

INTEGRATED REMOTE MONITORING THE FUTURE OF FIRE SAFETY

Transit Time Flow Meter
With this non-invasive addition to the FireConnect Jockey Controller, remotely monitor in real time the volumetric flow of the fire pump system during a fire event

Tank Level & Suction Pressure (Display & UI)
Each FireConnect Jockey Controller comes equipped with an integrated pressure transducer, configurable for suction pressure or storage tank level, allowing both remote and local display monitoring

Diesel Fuel Tank Level (Display & UI)
The Diesel Fuel Tank Level Monitoring option includes both the integrated local display meter and remote monitoring of fuel tank levels, allowing fire site leaders to plan and schedule refueling as needed to maintain NFPA minimum level compliance

Pump Room Temperature
Each FireConnect Jockey Controller comes equipped with an integrated thermistor to measure the external temperature of the enclosure, allowing accurate remote monitoring of the pump room temperature in real time

Test Loop Flow Meter (Approved)
Integration of an approved flow meter is available with each controller for incorporation to the fire system, allowing accurate testing, curve plotting, and record keeping over time through the FireConnect UI

Battery Backup
Each FireConnect Jockey Controller comes equipped with an integrated battery charger and configured for battery backup power supply for uninterrupted remote monitoring (Batteries Not Included)

Engine Cooling Loop Water Return to Tank
With the Engine Cooling Loop Tank Return feature, you can monitor, capture, and record the total volume of water recovered over time, accurately depicting the overall environmental contribution and savings

PEERLESS FireConnect®
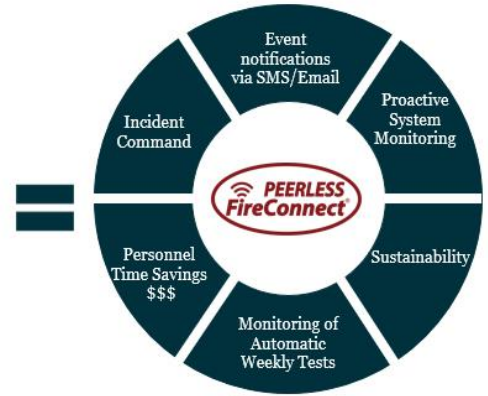
www.peerlesspump.com

PEERLESS FireConnect®
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FireConnect Jockey Controller + **Cloud-based Software** =

Event notifications via SMS/Email · Proactive System Monitoring · Sustainability · Monitoring of Automatic Weekly Tests · Personnel Time Savings $$$ · Incident Command

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There are two options for FireConnect available as shown below, FireConnect Sentry and Guardian

FireConnect SENTRY
Use existing non-Modbus Main Fire Pump Controller

FireConnect SENTRY

Sentry User Interface powered by Modbus-enabled Jockey Pump Controller and non-Modbus Main Fire Pump Controller

Features and benefits include:

- Differential pressure and estimated flow monitoring
- Event logging, including Jockey Pump and Main Fire Pump Alarms
- Jockey Pump run history, useful for leak detection
- Pump Room Temperature
- Customizable alerts for condition changes via SMS & email
- System information and reporting

FireConnect GUARDIAN
For use with a Modbus-enabled Main Fire Pump Controller

FireConnect GUARDIAN

Guardian User Interface powered by Modbus-enabled Jockey Pump Controller and Modbus enabled Main Fire Pump Controller

Features and benefits include:

- All Features from FireConnect Sentry, plus:
- 40+ alerts and data for Diesel Controllers and 70+ for electrics
- Incident Command during fire scenarios including water storage tank supply and time to empty estimate plus optional non-listed flowmeter
- Weekly/Monthly System Test logging
- Options: Listed Flowmeter Test, Closed Cooling Loop, Diesel Fuel Level Monitoring, RiserConnect Monitoring, and iHydrant Monitoring