

Project:	
Customer:	
Engineer:	
Pump Manufacturer:	

Technical Data Submittal Document

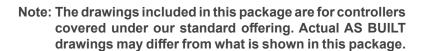
Model JP1

Across the Line Start Jockey Pump Controller



Contents:

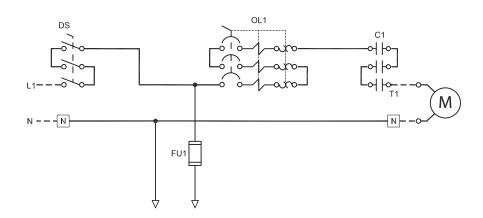
Data Sheets
Dimensional Data
Wiring Schematics
Field Connections















	T	r		
	Underwriters Laboratory (UL)	UL508A - Industrial Pump Controllers		
	New York City	Accepted for use in the City of New York by the Department of Buildings		
Listing	Optional			
	☐ CE Mark Various EN, IEC 8		CEE directives and standards	
	Protection Rating			
	☐ Standard: NEMA 2 (IP31)			
	Optional			
	□ NEMA 12 □ NEMA 4X-304 sst painted			
Enclosure	□ NEMA 3 □	NEMA 4X-304 sst bru	ushed finish	
Liiciosuie	□ NEMA 3R □	NEMA 4X-316 sst pa	inted	
	□ NEMA 4 □	NEMA 4X-316 sst bru	ushed finish	
	Accessories		Paint Specifications	
	Wall mounting lugs (x4)		• Red RAL3002	
			Powder coating Classy to the definite land.	
			Glossy textured finish	



Fuseless Motor Starter	Main disconnect – Padlockable – rotary type handle - door interlocked Thermo-magnetic motor protector Contactor				
Control Circuit	• 24V.AC				
iPD+ Operator Interface	Solid state controls All adjustments on door front Navigation pushbuttons				
Pressure Sensing	Pressure transducer for fresh water application 316 stainless steel construction Rated for 0-600psi working pressure Pressure sensing line connection 1/2" brass Male NPT				
Visual Indications	Manual motor start/run LED Automatic motor start/run LED Motor overload Pressure reading Start pressure Stop pressure System pressure System pressure System pressure diagnostic LED's Green: system pressure at or above stop pressure Yellow: system pressure between start and stop pressure Red: system pressure at or below start pressure AUTO mode OFF mode				
Timers	Minimum run timer (off delay) Delay start timer (on delay) Visual countdown				
Counters	Pump start counter Elapsed timer meter (hours / non-resettable)				
Operators	OFF-AUTO pushbutton Start and Stop pushbutton				
	Automatic Start	Start on pressure drop			
0	Manual Start	Start pushbutton			
Operation	Stopping	Stop pushbutton			
	Timers	 Field adjustable & Minimum run timer (off delay) Delay start timer (on delay) 			

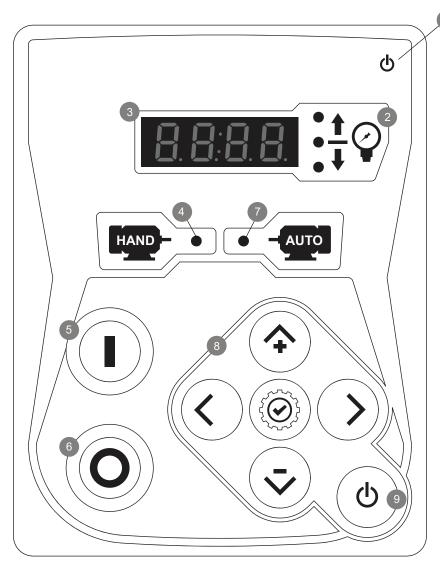


☐ A4	Elapsed time meter (time totalizer)		□D35	Seismic Certification compliant to CBC 2019, IBC
☐ A5	Motor run alarm contact			2018 rigid base/wall mounted only
☐ A6	Loss of power alarm contact		□D36	Special Seismic Certification compliant to OSHPD
☐ A7	Overload or short circuit alarm contact			rigid base/wall mounted only
☐ D11D	Pressure transducer 0-600psi with ½" MNPT 316 stainless steel bushing			
☐ D12	CE Mark c/w externally mounted wetted parts		□ L01	Other language and English (bilingual)
☐ D13A	Externally mounted wetted parts		☐L02	French
☐ D14	Export packing for 1 controller		☐L03	Spanish
☐ D18	Audible alarm		□ L04	German
☐ D19	Anti-condensation heater and thermostat		□L05	Italian
☐ D20	Anti-condensation heater and humidistat		□L06	Polish
D21	Tropicalization	ĺ	☐ L07	Romanian
	Phase reversal / failure pilot light and alarm	İ	□L08	Hungarian
☐ D22	contact		□L09	Slovak
□ D23	Controller power healthy pilot light and alarm		☐L10	Croatian
L 520	contact	ļ	☐L11	Czech
☐ D24	Pump failure via current sensing relay with pilot light and dry alarm contact		☐L12	Portuguese
D25		ł	☐L13	Dutch
□ D25 □ D26	Low zone pump control function	ł	☐L14	Russian
	Mid zone pump control function		☐L15	Turkish
☐ D27	High zone pump control function		☐L16	Swedish
☐ D28	Selector switch in auto alarm contacts		☐ L17	Bulgarian
☐ D29	Selector switch in off alarm contacts		☐L18	Thai
□ D30	Motor heater circuit		☐L19	Indonesian
	Service entrance rated - 100kA short circuit withstand rating:		☐L20	Slovenian
☐ D32	• 120V/1ph (0.5hp max.)		L21	Danish
	• 240V/1ph (1hp max.)		☐L22	Greek
	• 200V-208V - 60hz (2hp max.)		☐L23	Arabic
	• 220V-240V - 60hz (3hp max.) • 380V-416V - 50hz - 60hz (5hp max.)		☐ L24	Hebrew
	• 440V-480V - 60hz (5hp max.)		☐ L25	Chinese
□ D33	Service entrance rated - 65kA short circuit withstand rating: • 120V/1ph (0.5hp max.) • 240V/1ph (1hp max.) • 200V-208V - 60hz (3hp-15hp max.) • 220V-240V - 60hz (515hp max.) • 380V-416V - 50hz - 60hz (7.5hp - 40hp max.) • 440V-480V - 60hz (7.5hp-40hp max.)			
□ D34	Service entrance rated - 42kA short circuit withstand rating: • 600V - 60hz (7.5hp max.)			

Note: Options chosen from this page are not electrically represented on the wiring schematics in this submittal package.



iPD+ Operator Interface



- 1 Power on LED
- 2 System status LED
- 3 Digital display
- 4 Hand start LED
- 5 START pushbutton
- 6 STOP pushbutton
- 7 Auto start LED
- 8 Navigation keypad
- 9 ON OFF pushbutton

