

Project:	
Customer:	
Engineer:	
Pump Manufacturer:	

# Technical Data Submittal Document

### **Model JP2**

Across the Line Start Jockey Pump Controller



### **Contents:**

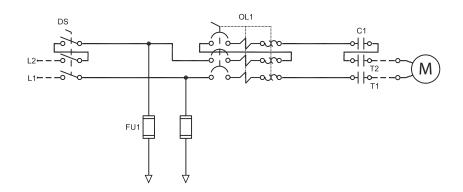
Data Sheets
Dimensional Data
Wiring Schematics
Field Connections















Listing	Underwriters Laboratory (UL)	UL508A - Industrial I	Pump Controllers
	New York City	Accepted for use in	the City of New York by the Department of Buildings
	Optional		
	☐ CE Mark	Various EN, IEC & C	EE directives and standards
	Protection Rating		
	Standard: NEMA 2 (IP31)		
	Optional		
	☐ NEMA 12 ☐ NEMA 4X-304 sst painted		
Fueles	□ NEMA 3 □	NEMA 4X-304 sst br	ushed finish
Enclosure	□ NEMA 3R □	NEMA 4X-316 sst pa	iinted
	□ NEMA 4 □	NEMA 4X-316 sst br	ushed finish
	Accessories		Paint Specifications
	Wall mounting lugs ( x4)		• Red RAL3002
			Powder coating     Clearly toytured finish
			<ul> <li>Glossy textured finish</li> </ul>



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 fro     Navigation pushbuttons	ont	
Pressure Sensing	<ul> <li>Pressure transducer for fresh water application 316 stainless steel construction</li> <li>Rated for 0-600psi working pressure</li> <li>Pressure sensing line connection 1/2" brass Male NPT</li> </ul>		
Visual Indications	Manual motor start/run LED  Automatic motor start/run LED  Motor overload  Pressure reading  Start pressure  Stop pressure  System pressure  System pressure  Green: system pressure at or above stop pressure  Yellow: system pressure at or below start pressure  Red: system pressure at or below start pressure  AUTO mode  OFF mode		
Timers	Minimum run timer (off del     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	
	Manual Start	Start pushbutton	
Operation	Stopping	Stop pushbutton	
	Timers	Field adjustable & visual countdown	Minimum run timer (off delay)     Delay start timer (on delay)

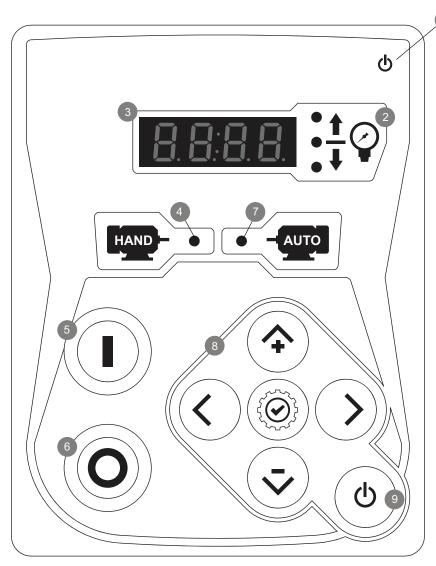


	T		T
□ A4	Elapsed time meter (time totalizer)	□D35	Seismic Certification compliant to CBC 2019, IBC
☐ A5	Motor run alarm contact		2018 rigid base/wall mounted only
☐ A6	Loss of power alarm contact	□D36	Special Seismic Certification compliant to OSHPD rigid base/wall mounted only
☐ A7	Overload or short circuit alarm contact		1g.s 2200/Hall Mountou Offiy
	Pressure transducer 0-600psi with ½" MNPT 316		Tou
	stainless steel bushing	L01	Other language and English (bilingual)
□ D12	CE Mark c/w externally mounted wetted parts	□ L02	French
□ D13A	Externally mounted wetted parts	□ L03	Spanish
□ D14	Export packing for 1 controller	□ L04	German
□ D18	Audible alarm	□ L05	Italian
□ D19	Anti-condensation heater and thermostat	□ L06	Polish
☐ D20	Anti-condensation heater and humidistat	□ L07	Romanian
☐ D21	Tropicalization	□L08	Hungarian
□ D22	Phase reversal / failure pilot light and alarm	□L09	Slovak
	contact	☐L10	Croatian
☐ D23	Controller power healthy pilot light and alarm contact	☐ L11	Czech
	Pump failure via current sensing relay with pilot	☐L12	Portuguese
☐ D24	light and dry alarm contact	□L13	Dutch
☐ D25	Low zone pump control function	☐ L14	Russian
□ D26	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	☐L20	Slovenian
	withstand rating:	☐L21	Danish
	• 120V/1ph (0.5hp max.)	☐L22	Greek
□ D32	• 240V/1ph (1hp max.) • 200V-208V - 60hz (2hp max.)	□L23	Arabic
	• 220V-240V - 60hz (3hp max.)	☐ L24	Hebrew
	• 380V-416V - 50hz - 60hz (5hp max.)	☐ L25	Chinese
	• 440V-480V - 60hz (5hp max.)	-	
□ 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.)		

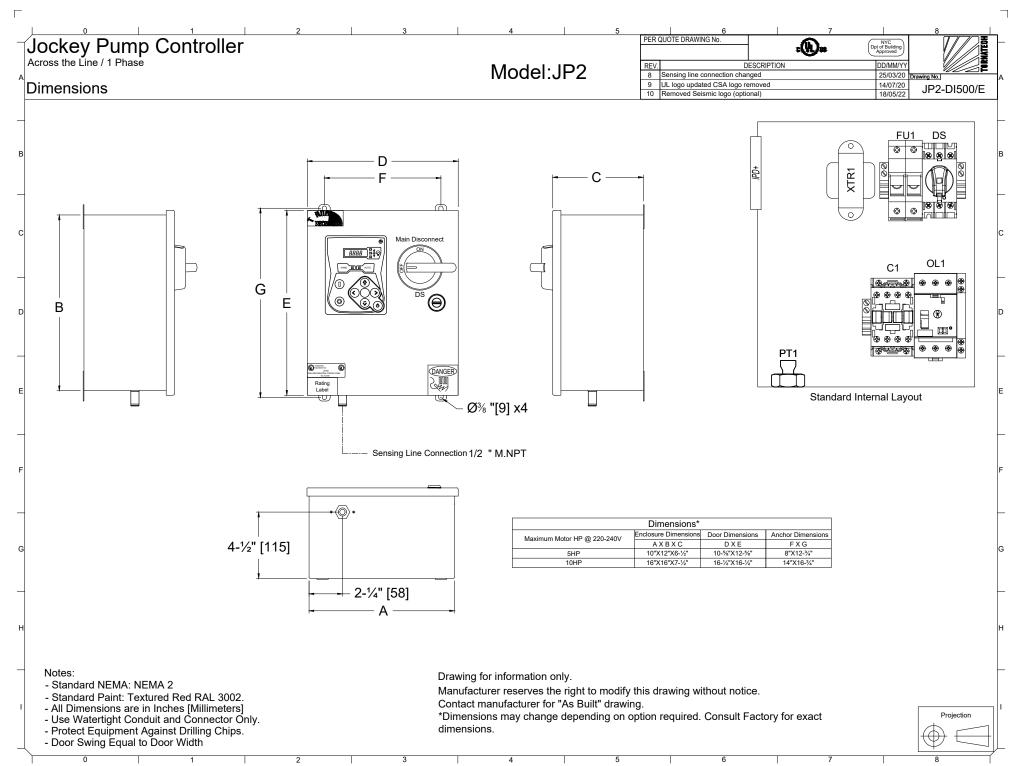
Note: Options chosen from this page are not electrically represented on the wiring schematics in this submittal package.

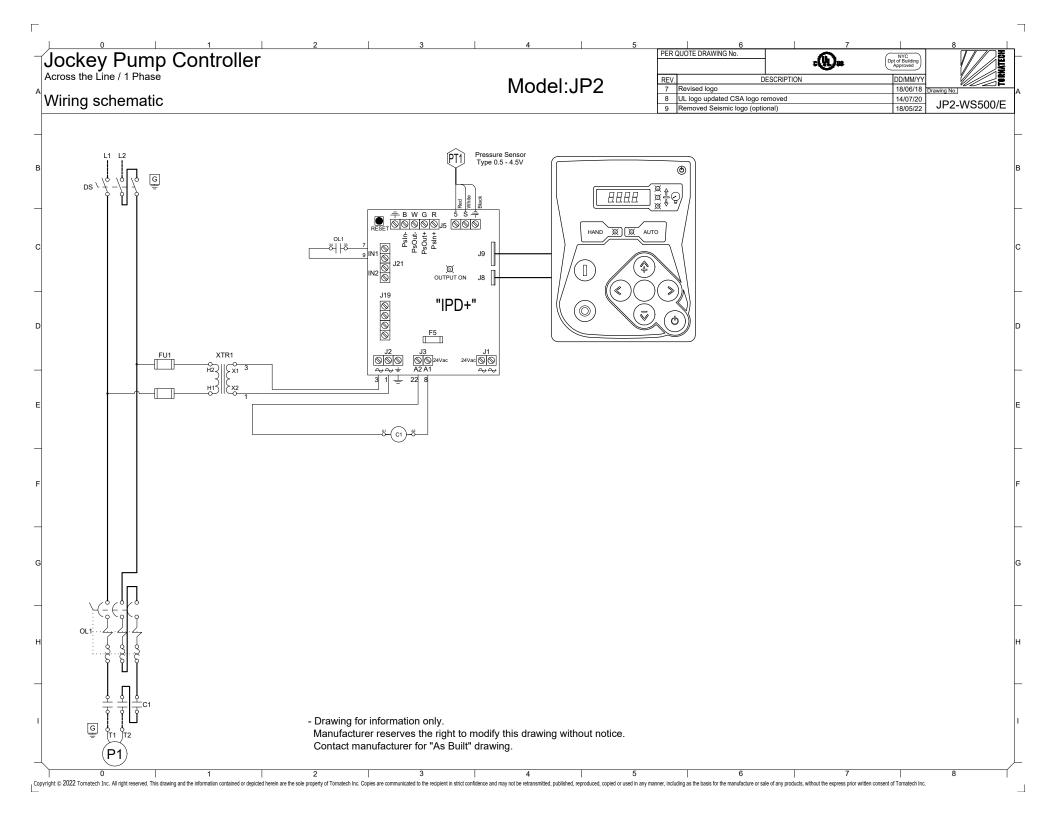


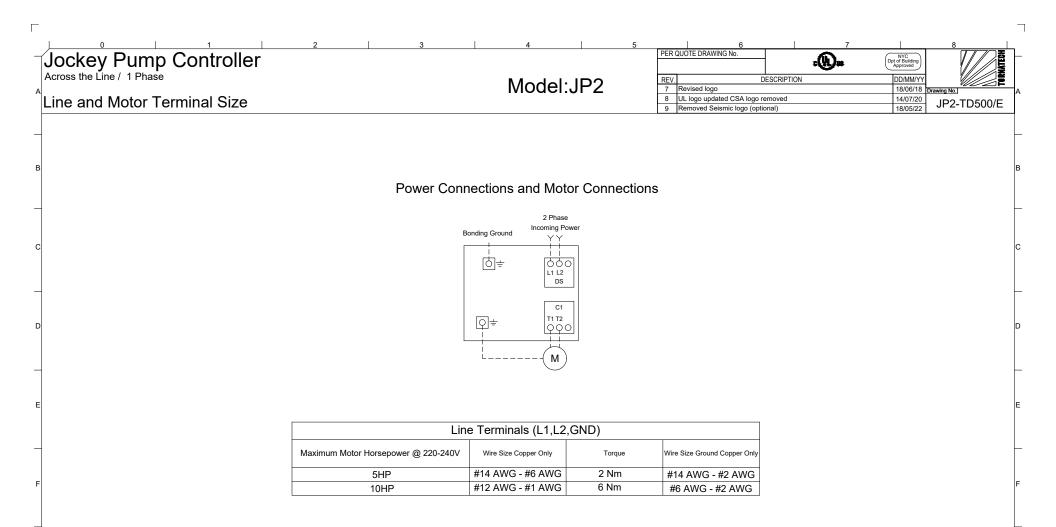
### *iPD*+ Operator Interface



- 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







Motor Terminals (T1,T2,GND)			
Maximum Motor Horsepower @ 220-240V	Wire Size Copper Only	Torque	Wire Size Ground Copper Only
3HP	#14 AWG - #8 AWG	1.8 Nm	#14 AWG - #2 AWG
5HP	#14 AWG - #6 AWG	2.5 Nm	#14 AWG - #2 AWG
10HP	#10 AWG - #4 AWG	5 Nm	#12 AWG - #2 AWG