

Project:\_\_\_\_\_

Customer:\_\_\_\_\_

Engineer:\_\_\_\_\_

Pump Manufacturer:\_\_\_\_\_

## **Technical Data Submittal Document**

Model JP1 Across the Line Start Jockey Pump Controller



**Contents:** 

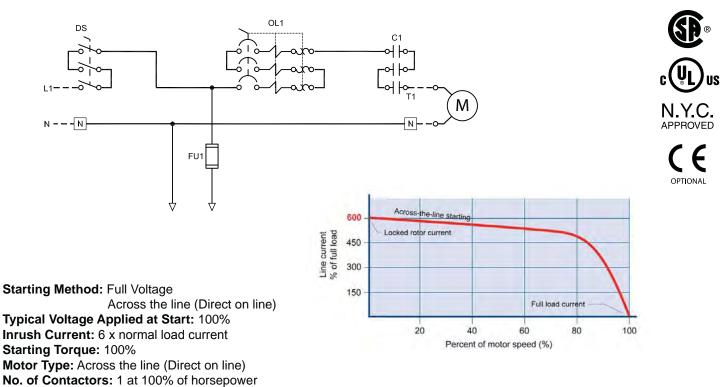
- Data Sheets
- Dimensional Data
- Wiring Schematics
- Field Connections

Note: The drawings included in this package are for controllers covered under our standard offering. Actual AS BUILT drawings may differ from what is shown in this package.





## Technical Data Model JP1 Jockey Pump Controller



Min. ampacity of motor conductors: 3 at 125% x 100% of Full load Current (FLC)

	Underwriters Laboratory (UL)	) UL508A - Industrial Pump Controllers		
	CSA	CSA C22.2 No. 14 Industrial Control Equipment		
Listing	New York City	Accepted for use in the City of New York by the Department of Buildings		
-	Optional			
	CE Mark	Various EN, IEC & CEE directives and standards		
Enclosure	Protection Rating         Standard: NEMA 2 (IP31)         Optional         NEMA 12       NEMA 4X-304 sst painted         NEMA 3       NEMA 4X-304 sst brushed finish         NEMA 3R       NEMA 4X-316 sst painted         NEMA 4       NEMA 4X-316 sst brushed finish			
	Accessories <ul> <li>Wall mounting lugs (x4)</li> </ul>	Paint Specifications <ul> <li>Red RAL3002</li> <li>Powder coating</li> <li>Glossy textured finish</li> </ul>		



Technical Data **TECH**Model JP1 Jockey Pump Controller

Fuseless Motor Starter	<ul> <li>Main disconnect – rotary type - door interlocked</li> <li>Thermo-magnetic motor protector</li> <li>Contactor</li> </ul>		
Control Circuit	• 24V.AC		
<i>iPD</i> + Operator Interface	<ul> <li>Solid state controls</li> <li>All adjustments on door front</li> <li>Navigation pushbuttons</li> </ul>		
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 ¼" Male NPT</li> </ul>		
Visual Indications	<ul> <li>Manual motor start/run LED</li> <li>Automatic motor start/run LED</li> <li>Motor overload</li> <li>Pressure reading <ul> <li>Start pressure</li> <li>Stop pressure</li> <li>System pressure</li> <li>System pressure diagnostic LED's</li> <li>Green: system pressure at or above stop pressure</li> <li>Yellow: system pressure between start and stop pressure</li> <li>Red: system pressure at or below start pressure</li> </ul> </li> <li>AUTO mode</li> <li>OFF mode</li> </ul>		
Timers	<ul> <li>Minimum run timer (off delay)</li> <li>Delay start timer (on delay)</li> <li>Visual countdown</li> </ul>		
Counters	<ul> <li>Pump start counter</li> <li>Elapsed timer meter (hours / non-resettable)</li> </ul>		
Operators	OFF-AUTO pushbutton     Start and Stop pushbutton		
Operation	Automatic Start	Start on pressure drop	
	Manual Start	Start pushbutton	
	Stopping	Stop pushbutton	
	Timers	Field adjustable & visual countdown	<ul> <li>Minimum run timer (off delay)</li> <li>Delay start timer (on delay)</li> </ul>



🗆 A5	Motor run alarm contact		
□ A6	Loss of power alarm contact		
🗆 A7	Overload or short circuit alarm contact		
□ D12	CE Mark c/w externally mounted wetted parts		
□ D13A	Externally mounted wetted parts		
🗆 D14	Export packing for 1 controller		
🗆 D18	Audible alarm		
🗆 D19	Anti-condensation heater and thermostat		
□ D20	Anti-condensation heater and humidistat		
🗆 D21	Tropicalization		
□ D22	Phase reversal / failure pilot light and alarm contact		
🗆 D23	Controller power healthy pilot light and alarm contact		
□ D24	Pump failure via current sensing relay with pilot light and dry alarm contact		
🗆 D25	Low zone pump control function		
□ D26	Mid zone pump control function		
🗆 D27	High zone pump control function		
🗆 D28	Selector switch in auto alarm contacts		
🗆 D29	Selector switch in off alarm contacts		
🗆 D30	Motor heater circuit		
□ D32	Service entrance rated - 100kA short circuit withstand rating: • 120V/1ph (0.5hp max.) • 240V/1ph (1hp max.) • 200V-208V - 60hz (2hp max.) • 220V-240V - 60hz (3hp max.) • 380V-416V - 50hz - 60hz (5hp max.) • 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.)		

□ L01	Other language and English (bilingual)
□ L02	French
🗆 L03	Spanish
🗆 L04	German
🗆 L05	Italian
□ L06	Polish
🗆 L07	Romanian
🗆 L08	Hungarian
🗆 L09	Slovak
□L10	Croatian
□ L11	Czech
□ L12	Portuguese
🗆 L13	Dutch
🗆 L14	Russian
□ L15	Turkish
□ L16	Swedish
🗆 L17	Bulgarian
□L18	Thai
□L19	Indonesian
□ L20	Slovenian

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

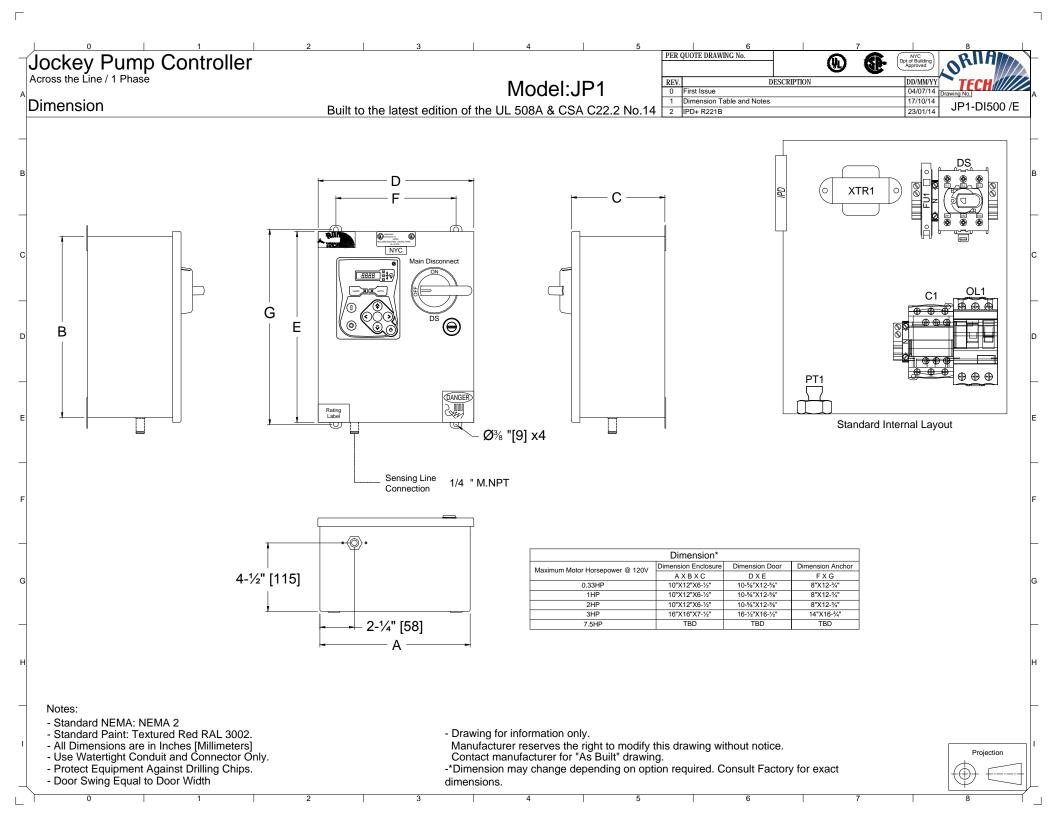


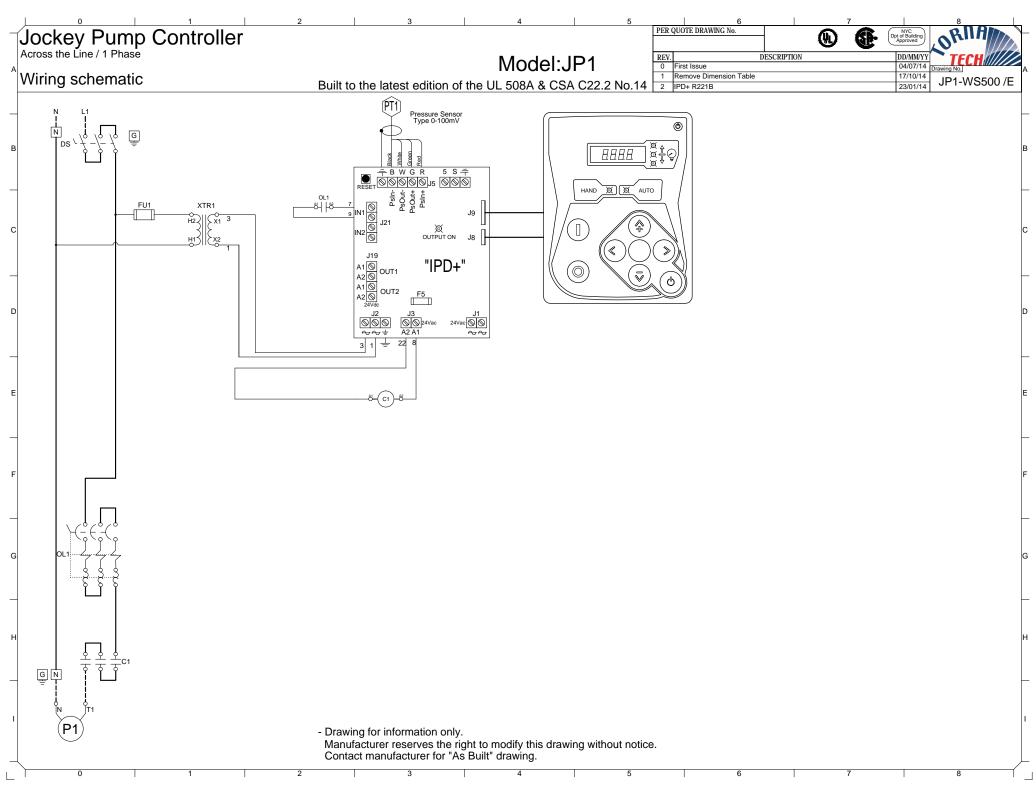
Technical Data Model JP1 Jockey Pump Controller





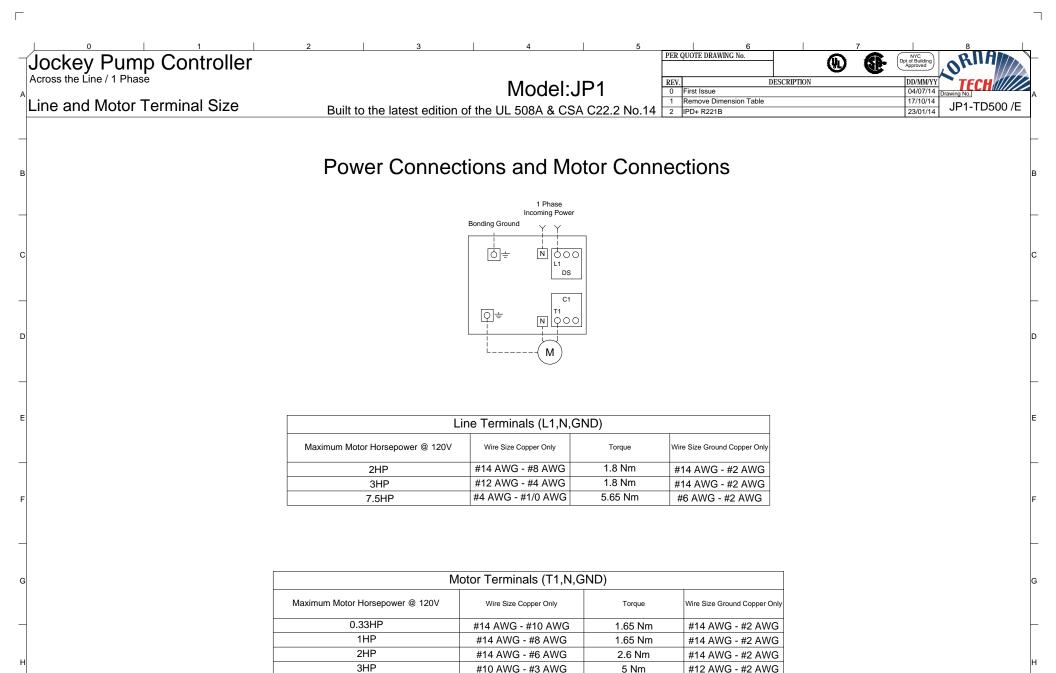
- 1 Power on LED
- 2 System status LED
- 3 Digital display
- 4 Hand start LED
- 5 START pushbutton
- 6 STOP pushbutton
- 7 Auto start LED
- 8 Navigation keypad
- 9 ON OFF pushbutton





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#10 AWG - #2 AWG

11.3 Nm

#12 AWG - #2 AWG

7.5HP