



**JP  
MODEL**

## Jockey Pump Controller

### Full voltage across the line starter

### Micro Processor Based (Patent Pending)

#### MAIN FEATURES:

- Easy and quick start-up and operation
- NEMA 2 enclosure
- Micro-processor based logic
- System pressure indication
- Pressure transducer
- Fuseless motor protection
- Operational temperature limits 41°F to 122°F (5°C to 50°C)



N.Y.C.  
APPROVED



OPTIONAL

The model JP jockey pump controllers are specifically designed to control jockey pumps in order to maintain the desired water pressure in fire pump serviced systems. A jockey pump installation prevents unnecessary starting of the fire pump due to small leaks.

Individual models are specific to the voltage available on site:

- JP1: 120 V / single phase / 60Hz
- JP2: 220–240 V / single phase / 50/60Hz
- JP3: 208 to 600 V / three phase / 50/60Hz

The standard power circuit consists of a horsepower rated disconnect switch, a thermo-magnetic motor protector and a motor contactor for across the line full voltage starting. Consult factory for other types of motor protection or starting methods available.

The automatic operation of the jockey pump is achieved with an electronic pressure monitoring module which utilizes a pressure transducer as a pressure sensing device. It allows the user to digitally set the start and stop pressure values and on or off delay timers (timers are optional) if required. The module continuously displays the system pressure and, when required, the start and stop pressure settings. The system pressure reading can be viewed without opening the door of the controller.

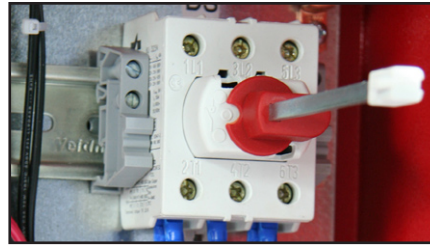
The module also allows the user to choose the units of measure of the pressure reading in psi, bar, kPA, feet of head and meter of head.

The model JP jockey pump controllers are built in accordance to the latest Underwriters Laboratories UL508A and C.S.A C22.2 No.14 standards.

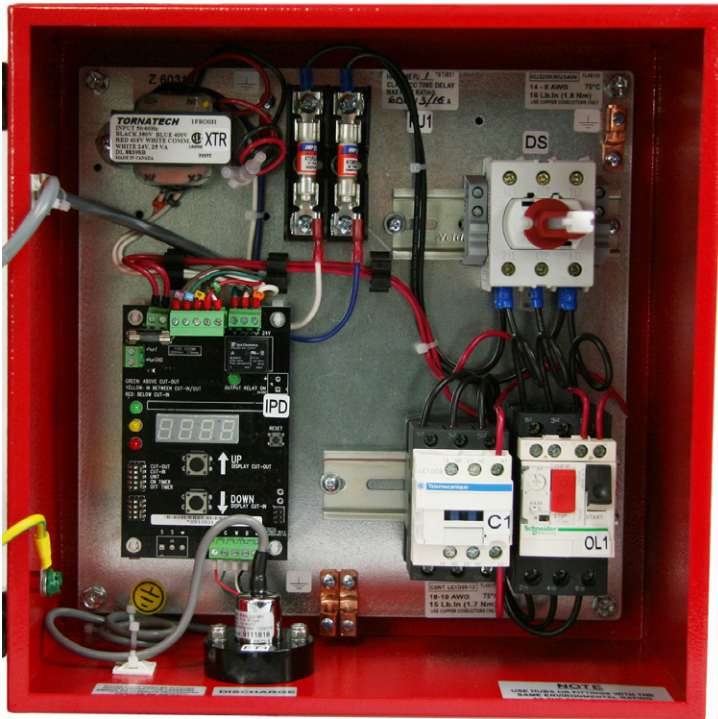
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Full voltage across the line starter  
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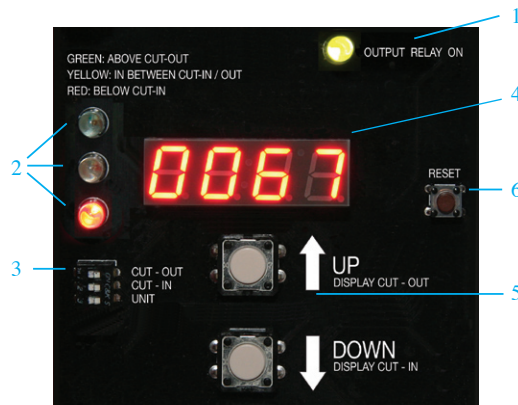
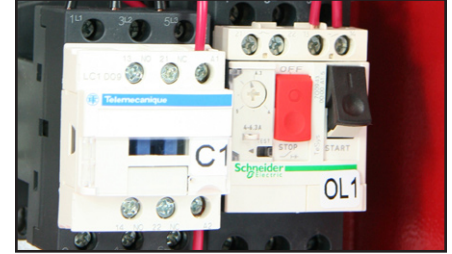
- Built-in wall mounting lugs for ease of installation



- Horsepower rated door interlocked rotary type disconnect switch



- Fuseless motor starter with thermo-magnetic motor protector and horsepower rated contactor

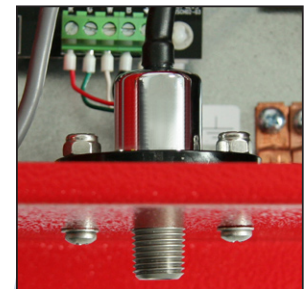


- 1- System status diagnostic OUTPUT RELAY ON green LED
- 2- System status diagnostic LED's for:
  - i. Green: system pressure at or above cut-out value
  - ii. Yellow: system pressure between start cut-in and cut-out
  - iii. Red: system pressure at or below cut-in value
- 3- Easy to use dip-switches for field adjustable parameters
- 4- High luminosity digital display
- 5- Pushbuttons for setting and display of field adjustable parameters
- 6- Reset pushbutton

- 3 position Hand-Off Auto selector switch complete with pad-lockable cover



- Pressure transducer with 0-300psi range and 316 stainless steel construction



**HOW TO ORDER: JPx - V / HP / Ph / Hz**  
Ex.: **JP3 - 208 / 2HP / 3Ph / 60**

Tornatech inc., 7075, Place Robert-Joncas, # 132, Montreal, Quebec, Canada H4M 2Z2

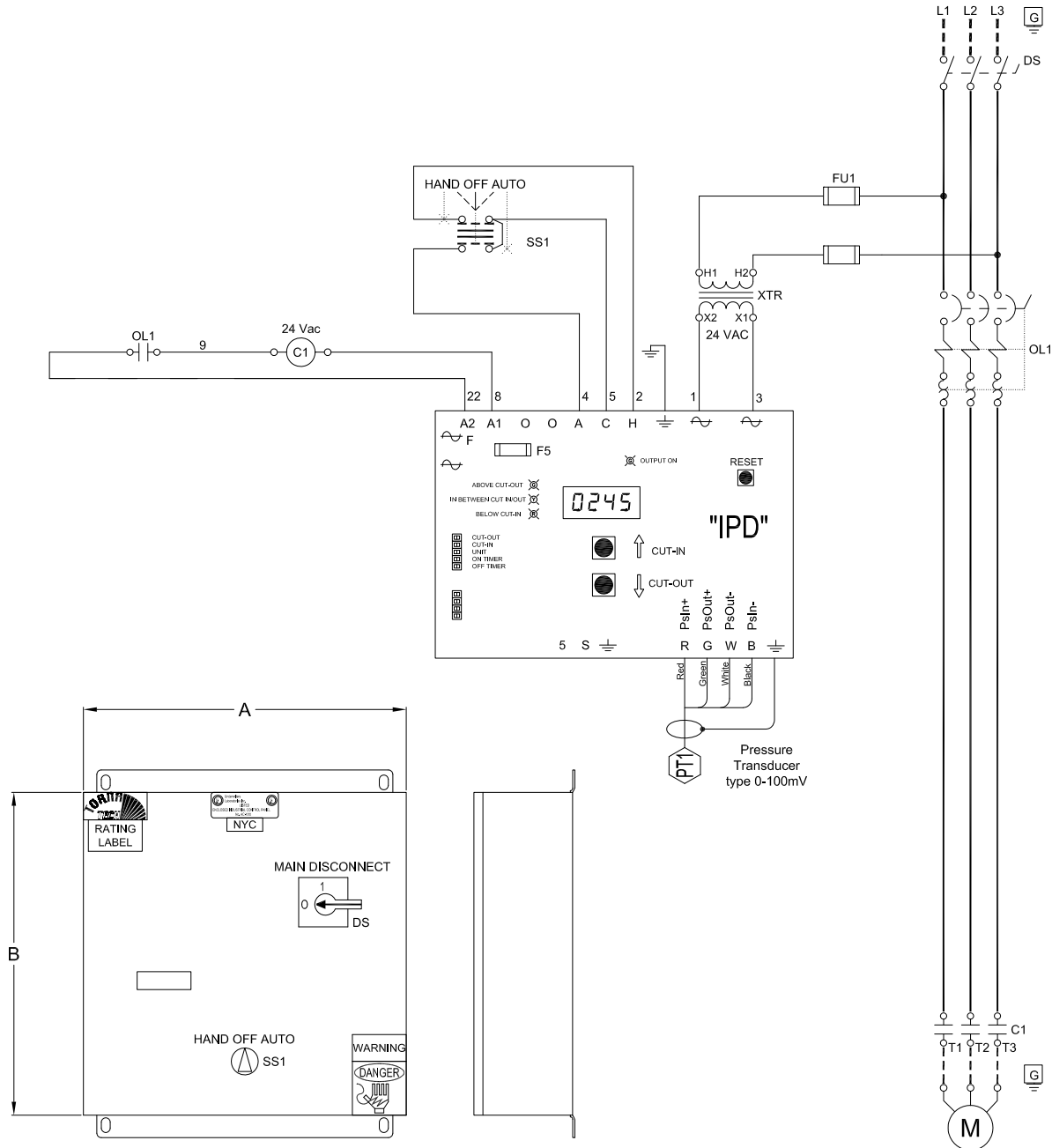
Tel.: + 1 514 334 0523 + 1 800 363 8448 (Canada & U.S.A.) Fax: + 1 514 334 5448  
E-mail: tornatech@tornatech.com [www.tornatech.com](http://www.tornatech.com)

# JOCKEY PUMP CONTROLLER

# MODEL : JP3

Wiring schematic

BUILT TO UL 508A & CSA C22.2 No.14 STANDARDS.



NEMA/CSA 2 ENCLOSURE

LINE TERMINALS / ENCLOSURE SIZE							
MAXIMUM MOTOR HORSEPOWER					WIRE SIZE COPPER ONLY	TORQUE	ENCLOSURE SIZE*
200-208V	220-240V	380-416V	440-480V	575-600V			A X B
7.5HP	10HP	15HP	20HP	15HP	#14 AWG - #8 AWG	16 LBS.IN	12"X12"
10HP	N/A	20HP	25HP	25HP	#12 AWG - #4 AWG	16 LBS.IN	12"X12"
25HP	30HP	50HP	60HP	75HP	#4 AWG - #1/0 AWG	50 LBS.IN	16"X16"

MOTOR TERMINALS						
MAXIMUM MOTOR HORSEPOWER					WIRE SIZE COPPER ONLY	TORQUE
200-208V	220-240V	380-416V	440-480V	575-600V		
3HP	3HP	5HP	7.5HP	10HP	#18 AWG - #10 AWG	15 LBS.IN
5HP	5HP	10HP	10HP	15HP	#18 AWG - #8 AWG	15 LBS.IN
10HP	10HP	15HP	20HP	25HP	#14 AWG - #6 AWG	23 LBS.IN
20HP	20HP	30HP	50HP	50HP	#10 AWG - #3 AWG	45 LBS.IN
25HP	25HP	40HP	60HP	60HP	#10 AWG - #2 AWG	100 LBS.IN

\* Dimension may change depending on options required. Consult factory for exact dimensions.  
 Drawing for information only.  
 Manufacturer reserves the right to modify this drawing without notice.  
 For drawing for approval or installation, please contact manufacturer.



REV.	DATE	DESCRIPTION	APP.	DRAWING No.
0.	09/04/03	FIRST ISSUE	DES.	JP-WS301 /E
			VER.	
			APP.	



**STEEL PUMP CONTROLLER**

MODEL JP 6-PT



**WARRANTY INFORMATION**

SEE PAGE 10



1. If you are having trouble with your controller, please call our toll-free number at 1-800-555-1234. We will be happy to assist you.