



# Jockey Pump Controller

JM Series



## GENERAL

The Jockey pump and controller is an accessory to either a main or a Limited Service pump. Characteristics are not specified by NFPA-20.

The Jockey is a very small pump, which automatically maintains stand-by pressure in the fire protection system, to save wear on the main pump.

Across-The-Line starting is Standard in the JM Series Controller. Jockey Pump Controllers are combination type starters with Line Side Overcurrent and Short Circuit protection.

Joslyn Clark Type JM Jockey Pump Controllers are listed by Underwriters Laboratories Inc. in compliance with Standards by UL, CSA and meet IEC Industrial Control Standards. These controllers are available as standard with automatic type starting in a wall mounting enclosure that meets Types 2, 12, and 3R requirements. Optional 4X rating is available.



## STANDARD EQUIPMENT AND PERFORMANCE

- Automatic start responsive to water pressure with integral pressure sensing switch.
- Independent high (stop) and low (start) adjustment points on pressure switch.
- Standard Pressure Switch Range is 20 – 290 PSI, 50 – 450 PSI is optional.
- Manual electric start and stop from Side mounted Hand-Off-Auto selector switch.
- IEC rated magnetic 3-pole motor contactor.
- IEC Motor Circuit Protector with Adjustable range Overcurrent Trip protection.
- Overcurrent trip range adjustable to accommodate minor variations in actual motor full load current or service factor, without changing overload heaters.
- Controller Rated for 18K AIC applications.
- External operator equipped for padlocking in Off which also locks the door closed.
- Easy External Pressure Switch Connection

**Maximum HP Size**  
 Single Phase  
 2 HP @ 115V, 3 HP @ 230V

Three Phase  
 5 HP @ 208V, 7.5 HP @ 230V  
 10HP @ 400V, 15 HP @ 460V  
 20 HP @ 575V

### Jockey Pump Control Spec Sheet

Project:

Distributor:

Contractor:

Catalog Number:

Dimensional Drawing

Field Connection Drawing

Electrical Schematic

Enclosure	Horsepower		Voltage
<input type="checkbox"/> 3R - Rain Tight (std)	<input type="checkbox"/> 1/4	<input type="checkbox"/> 3	<input type="checkbox"/> 208 / 3 / 60
<input type="checkbox"/> 4X - Water Tight	<input type="checkbox"/> 1/3	<input type="checkbox"/> 4	<input type="checkbox"/> 230 / 3 / 60
	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5	<input type="checkbox"/> 460 / 3 / 60
	<input type="checkbox"/> 3/4	<input type="checkbox"/> 7 1/2	<input type="checkbox"/> 575 / 3 / 60
<b>Pressure Range</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 10	<input type="checkbox"/> 380 / 3 / 50
<input type="checkbox"/> T1 - 15-290 PSI	<input type="checkbox"/> 1 1/2	<input type="checkbox"/> 15	<input type="checkbox"/> 415 / 3 / 50
<input type="checkbox"/> T2 - 90-450 PSI	<input type="checkbox"/> 2		<input type="checkbox"/> 380 / 3 / 60
			<input type="checkbox"/> 115 / 1 / 60
			<input type="checkbox"/> 230 / 1 / 60

**Special Options**

B1- Run Period Timer

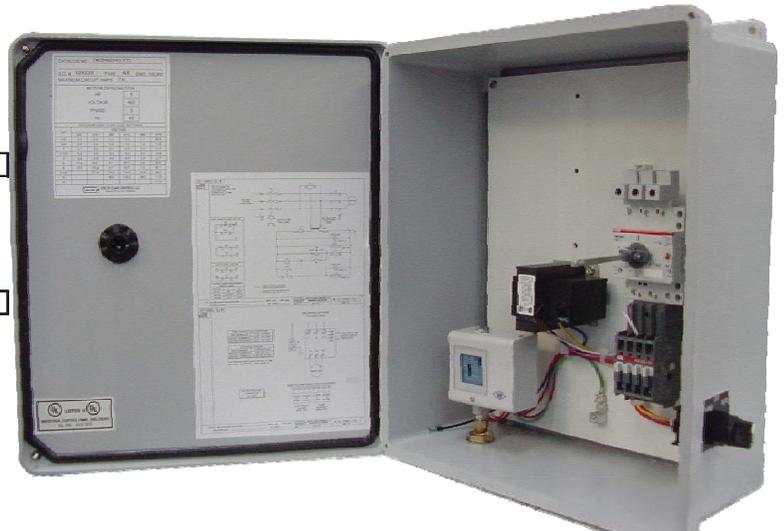
C - Start Delay Timer

L1 - Power On Light - Green

L2 - Pump Run Light - Red

N5 - Pump Power Fail - NC & NO

N6 - Pump Running - NC & NO



Joslyn Clark Controls, LLC 2013 W. Meeting St, Lancaster S.C. 29720

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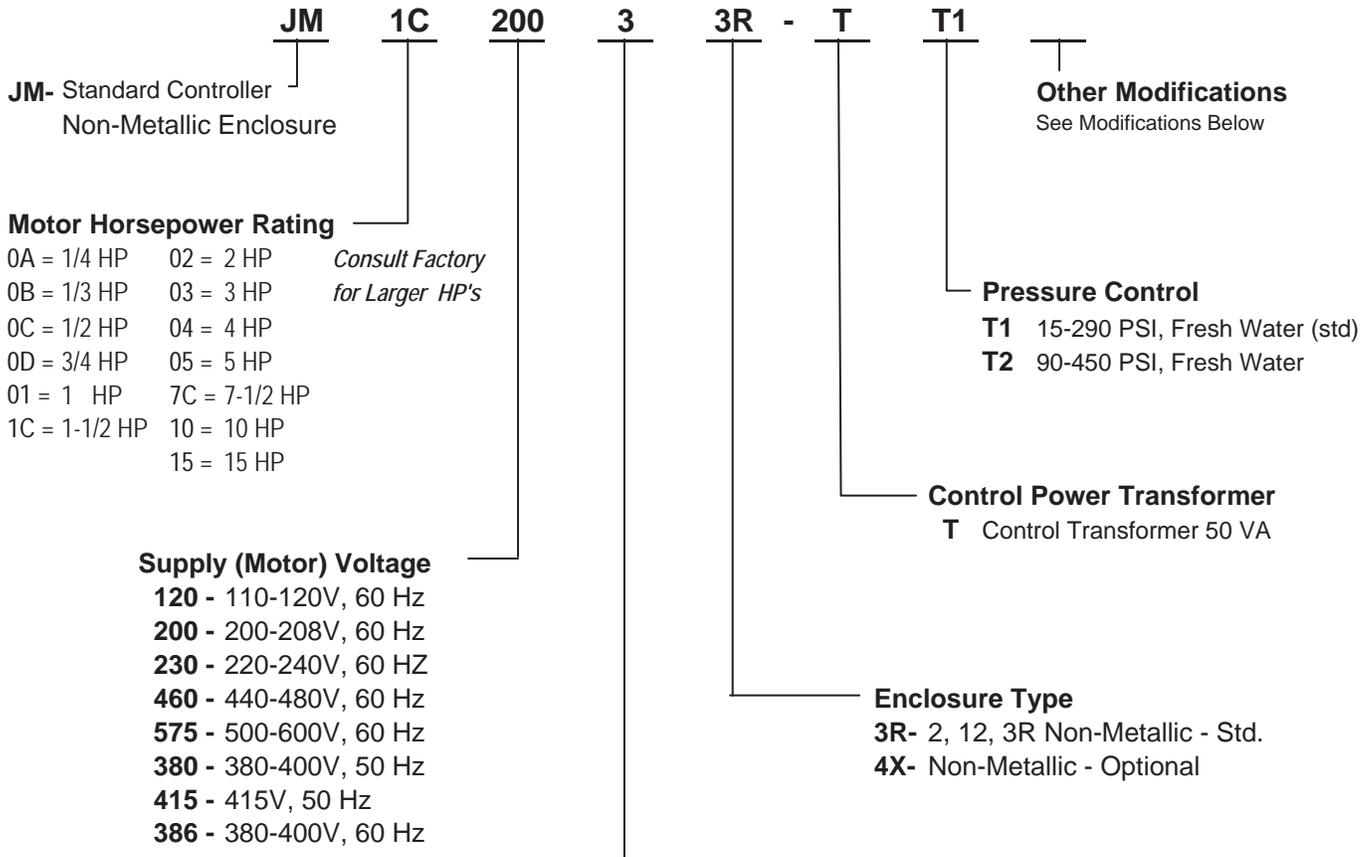
WEB SITE [www.joslynclark.com](http://www.joslynclark.com)



# Jockey Pump Controller Catalog Number System & Mods

Type JM

## Catalog Numbering System for Non-Metallic Jockey Pump Controllers

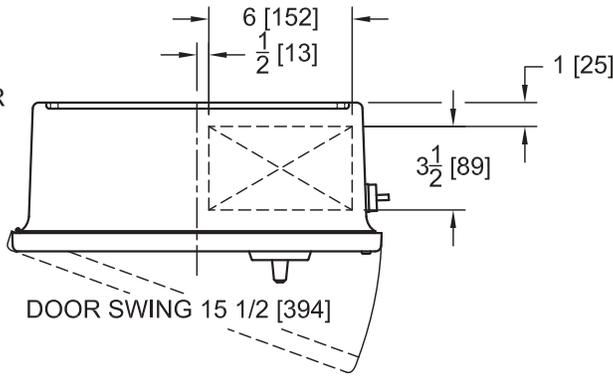
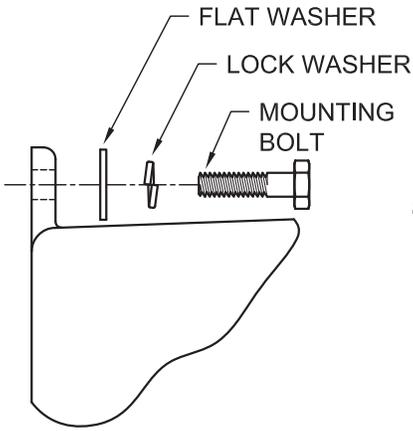


Modifications	
Suffix	Description of Modification
B1	Run Period Timer
C	Start Delay Timer
L1	Power On Light - Green
L2	Pump Run Light - Red
	Remote Alarm Contacts - N.C. & N.O.
N5	Pump Power Fail
N6	Pump Running
4X	4X Rated Enclosure with 4X rated Operators

Effective Oct. 10, 2007

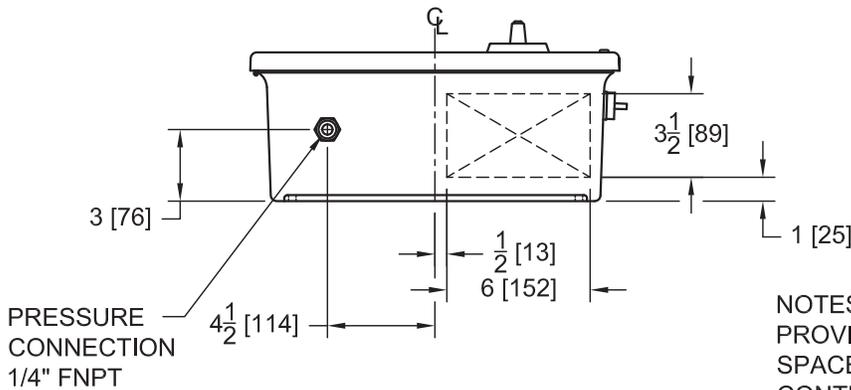
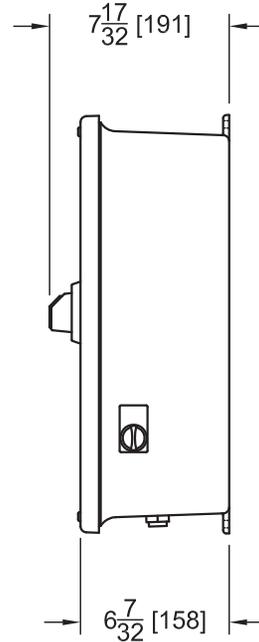
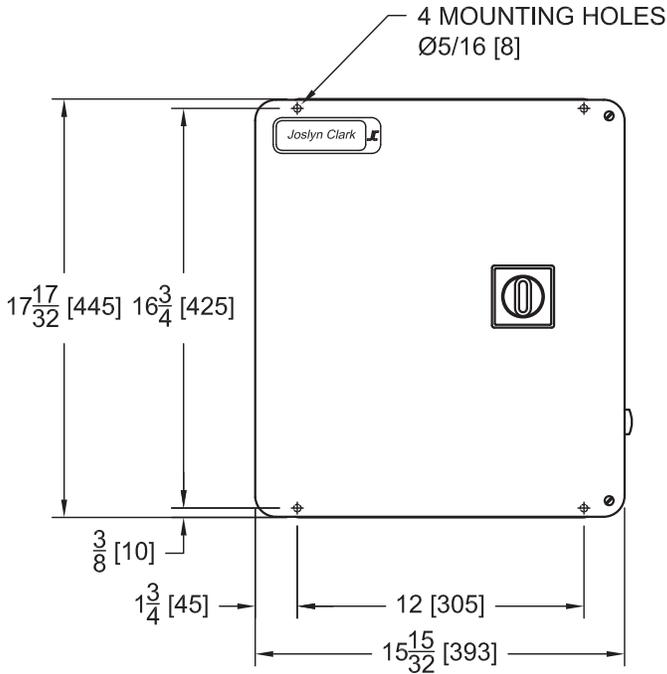
**Discount Schedule JC40**

RECOMMENDED MOUNTING METHOD



CABINET OUTLINE

TYPE 3R/12 [IP22/55]  
ENCLOSURE  
ALL DIMENSIONS ARE IN INCHES [mm].



THIS DRAWING IS FOR PUMP MOTORS THAT DO NOT EXCEED THE HORSEPOWER VALUES LISTED BELOW

SINGLE PHASE		THREE PHASE					APPROX. WEIGHT 20 LB. [9 kg]
115 VOLTS	230 VOLTS	200 VOLTS	230 VOLTS	400 VOLTS	460 VOLTS	575 VOLTS	
2	3	5	7-1/2	10	15	20	

NOTES:  
PROVIDE PROPER WORKING SPACES ABOUT THE CONTROLLER AS DEFINED IN ARTICLE 110.26 OF THE NATIONAL ELECTRICAL CODE, NFPA 70. DO NOT INSTALL IN AREAS WHERE THE AMBIENT TEMPERATURE MAY DROP BELOW 40°F [4°C] FOR A SUSTAINED PERIOD OF TIME.

A 10-10661-30

CONDUIT ENTRANCE AREA

REVISIONS  
NEW RELEASE PER ECN 16850.  
REV. A. 10/01/07  
CHANGED ENVIRONMENTAL RATING FROM TYPE 4X TO TYPE 3R/12.  
ECN 16819. KJK

REV. **A**

**A 10-10661-30**

SHEET 1 OF 1

JOSLYN CLARK CONTROLS, LLC  
LANCASTER, SC USA 29720-8842

Joslyn Clark

SCALE: 1/8

FILE: 10661-30 REV. A

MADE BY KJK APPD JMO

DATE 05/23/07

TITLE BUL. 10661 JOCKEY PUMP CONTROLLERS  
OUTLINE DIAGRAM