

ARVOTECH

JOCKEY PUMP CONTROLLER



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Introduction

The Model AJPC controller is designed to control the Jockey Pumps of Fire systems to maintain required fire system pressure. It also provides safe operation to the Fire Pump system in case of accidental Start-Stop due to small leakages in sprinkler network.

AJPC Jockey Pump Controller comes with user interface having 4 X 7 segment LED display and rugged push buttons. It has Visual indication for instantaneous system, High Pressure, Low pressure, Set pressure and Automatic motor run, Manual Motor Run mode. The Required system pressure is settable by using User interface without opening the controller. It also allows to set timer values for ON time & Off time.

The AJPC Controller is equipped with capacity rated thermal - magnetic motor protection circuit breaker and electro - magnetic contactor for across the line full voltage starting. It has step-down isolation transformer to supply power to control boards.



User Interface

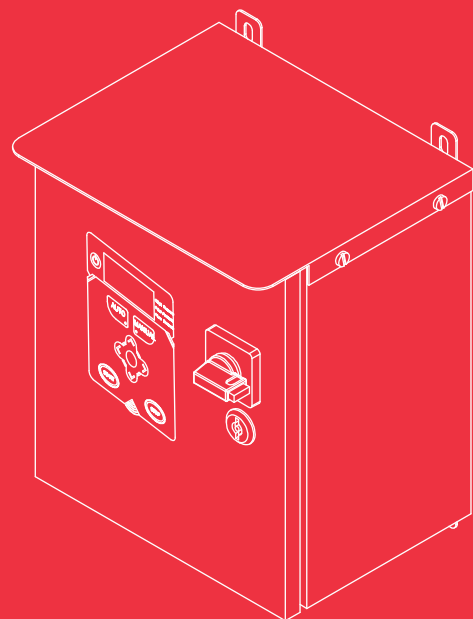
- Front panel door mounted operator interface
- Auto / Manual mode selection
- Push buttons for manual operation
- Door interlocked typed thermal-magnetic motor protector circuit breaker.
- Menu Navigation pushbuttons
- NEMA Type 2 Enclosure
- Unit Selection PSI / Bar

Display

- System Pressure Display
- Cut-In & Cut-Out Pressure Setting
- Minimum Run Timer Setting
- Sequential Start Timer Setting
- Pump Run Time
- Total Pump ON Time

LED Indication

- Mode selection Status
- High Pressure Indication
- Low Pressure Indication
- Normal Operation Indication
- Motor Run Status



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User IN Interface

1. High brightness sunlight readable 4 digit display.
2. System status LEDs :
 - i. High Pressure : System Pressure at or above cut out value.
 - ii. Set Pressure : System Pressure within Cut in and Cut out value.
 - iii. Low Value : System Pressure at or below cut in value.
3. Motor Status LED (Auto & Manual Start).
4. Start Push buttons.
5. Stop Push buttons.
6. Navigation Keys.
7. Auto-Manual Start Push Button.

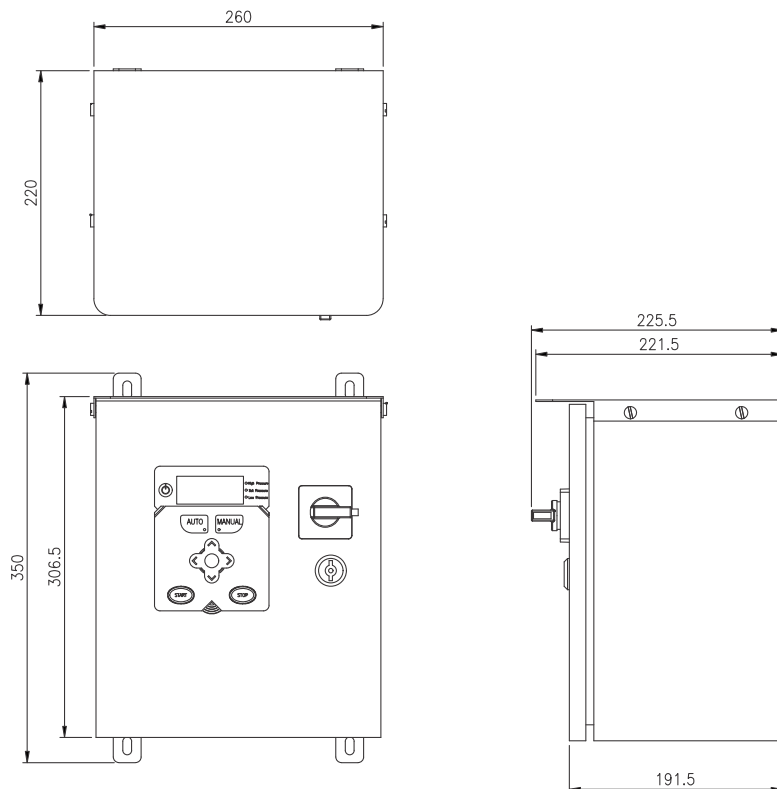
Type Key

AJPC	1	415	3	50
ARVOTECH Jockey Pump Controller	Controller HP 1 HP TO 20 HP	Voltage AC 230 380 400 415	Phase 3 = 3 Phase	Frequency 50 = 50Hz 60 = 60Hz

Example : To order 1 HP Controller of 3-Phase, 415VAC, 50Hz - "AJPC1415350"

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Dimension



Packing Dimension L X B X H (mm)	Net Weight (kg)	Gross Weight (kg)
300 X 300 X 400	25	30



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ARVO CONTROLS, S.L.

Carrer Camí l'Alquerieta 8,
46470, Massanassa,
Valencia, Spain
Phone : +34 673445820



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The data given in this publication is therefore subject to revision.

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