



## InviziQ™ Controller

### Thinking Outside the Control Box

#### » **Maximized Performance**

InviziQ pump operation can be tuned per site which maximizes performance over a large network of pump systems. Each unit's ON/OFF/ALARM level can be set in the controller which optimizes running and reserve capacity.

#### » **Upgrades available**

"Telemetry ready" units can be upgraded for remote operation when installed or later if desired.

#### » **Water-tight Enclosure**

InviziQ Controller is built with a water-tight, non-metallic enclosure, designed to withstand the elements.

#### » **Plug and Play**

Since all system control functions are located in the enclosure, there is no need to enter the tank.

#### » **Visual Alerts**

Internal status lights are a visual indication of system operation. The Controller also contains a visual alarm light and audible alarm with reset which alerts the owner that the InviziQ system needs attention.

#### » **Motor Protection**

Over-current and low-voltage damage is protected by the motor current sensor.

#### » **Circuit Protection**

Circuit breakers for house power and pump protects from both incoming and outgoing power.

#### » **Troubleshooting and Communication**

##### **Made Easy**

System performance data is recorded which allows the technician to troubleshoot the system performance over time. Technicians can obtain data access using a USB connector to a PC or hand-held device. Real time clock is also included.

# Specification

## » Electrical

Controller Input Voltage:	240 +6/-10 VAC, 1PH
Frequency :	60 Hz
Max Current	10 Amps
Circuit Breaker:	20 Amps
Control Circuit Fuse:	0.5 Amps

## » Output

Motor:	1.5 HP Max, 1725 rpm
	115VAC / 1PH / 60Hz, FLA 12.4A 240 VAC / 1PH / 60Hz, FLA 6.2A
	Overcurrent Protection: 7.0 Amps
Level Sensor:	5V Serial USART, ASCII Modbus Signal
Communication Connector:	RS232 Serial USB Type B

## » Environmental

Storage Temperature:	14 to 140°F
Operating Temperature:	14 to 122°F
Protection Rating:	IP 65
Humidity:	95% Max.

## » Dimensions and Weight

Dimensions (Carton):	17.32" x 12.21" x 6.69"
Weight (in Carton):	7 lbs

## » Default Protection Setting

Pump Motor Current Trip (Over Pressure)	7.0 Amps
Pump Reset Time From Trip	5 minutes
Number of Current Trips Per Hour Till Alarm	10
Audible Alarm Run Time	5 minutes
Level Sensing Delay Time	2 seconds
Maximum Continuous Pump Run Time	25 minutes
Maximum Pump Starts Per Hour	10
Pump Cool Down Time	50 minutes

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