

DiGiPRESS BOSS™

With DIGITAL LED Display Programmable & Adjustable AUTO PRESSURE PUMP CONTROLLER

Model #AQSKD-2300



AQUATICA
water pumps

DIFFERENT - BETTER



The **NEW AQUATICA DiGiPRESS BOSS AQSKD-2300** controller combines the advantages of both a standard Auto Pressure Control Switch and an upgraded electronic – Digital Automatic Restart Pressure Controller.

The DiGiPRESS BOSS™ is an electronic Auto Pressure Controller used to control electric Pumps of 2.2kW and less & of 240V - 50Hz power feed.

It is manufactured to the highest standard and by a Company with over +20 Years' experience in manufacturing Auto Press Controls for the GLOBAL Water Pump supply market place. Having made literally millions of more basic Auto Press Controls (PC-10 & PC-12) over the 20 years they certainly know what they are doing !

The DiGiPRESS BOSS™ AUTOMATICALLY monitors the Pumps overall operation & both the Pumps pressure and the water flow. Due to The DiGiPRESS-2300 AUTOMATIC programming and unique design there is no need for a separate expansion chamber or external pressure vessel.

This controller will AUTOMATICALLY protect the pump should the water supply from your Tank or mains feed dry-up or fail. It will AUTOMATICALLY search for water back in your Tank etc. & will restart the Pump form normal operation once your water source is restored.

This electronic pump controller operates with a fully adjustable cut in / starting pressure of between 0.5-6.0 bar and a stop or cut out pressure of between 0.8 - 9.8 bar.

It has the ability to operate as either a standard auto restart pressure controller (start pressure to be set) or an automatic restart loss of prime pressure switch (start and stop pressure to be set).



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The actual INTELLIGENT operation offers the Pump & Home owner the ease and ability to have full control of the Pumping pressure system across a broad range of settings.

It has both INLET & OUTLET Ports 1" BSPM. (25 mm)

The DiGiPRESS BOSS-2300 comes with a full and detailed operations manual – check sheet to assist you, the plumber – installer setting the required program.

Operation – Features and Benefits

1. Will Stop and Start the Pump Automatically when the tap is open or closed. This means the Operator does not need to turn off the pump after use.
2. Has RUN-DRY Protection built in & will Stop the Pump in the case of water shortage such as the Rainwater Tank feed or Dam etc runs dry.
3. Maintains a constant pressure during operation resulting in a reliable water supply when required
4. After any power cut, failure, or black-out or the unit will AUTOMATICALLY restart the pump once the power is restored and back on again.
5. Can be easily reset and if need-be even Forced to Restart the Pump by manual input & override.
6. Comes with programmed O.P.P or Over-Pressure Protection and will stop the pump automatically when the system pressure exceeds 9.8 bar.
7. When or if the Pump loses prime it will stop working after 20 seconds, - then it will restart after 10 seconds and runs for 40 seconds and then stops again - then after another 10 seconds it runs for another 40 seconds after which if NO WATER IS DETECTED or available the Pump will Turn OFF for 24 Hours repeating the process every 24 hours until water is available from transfer or rainfall etc.

Operation – Features and Benefits continued

8. This constant “Built-In searching programme” gives the home owner total peace of mind that the Pump will continue to operate when nobody is around such as away on a holiday etc. This will keep irrigation of Gardens on target so-long as a Water Source is available.
9. High precision MEMS pressure sensor allows DIGITAL / LED displays system pressure value in real-time.
10. The DiGiPRESS BOSS Controller is able to keep the Water Pump running at flows as low as 0.5L/min – this ability will assist to maintain the smallest water supply.
11. Real time indication of system pressure is DIGITALLY displayed on screen so a separate traditional face-dial gauge – or any form of in line pressure gauge is no longer required.
12. Plug and play leads (IEC type) installed on the controller so that a licensed electrician is not required to replace the controller if required.

The DiGiPRESS BOSS has TWO (2) Built-In working Modes via a single push of a button :

Easily change between Mode 1 (Change Cut In pressure only) and Mode 2 (Change Cut In and Cut Out) via a single button push

MODE 1. Intelligent Mode:

Set the starting pressure value by manual, it can control the water pump automatically according to the set pressure value and system flow signal.

MODE 2. Pressure Control Mode:

Set the water pump starting pressure value and stopping pressure value. When the system pressure is lower than the starting pressure, the pump start working; or - When the system pressure is higher than the pump stopping pressure, the pump WILL stop working.

Performance Parameters & Technical Information

INLET & OUTLET of Pressure Control: BOTH are G1” or 25 mm
Set Starting Pressure Range: (Mode 1) 0.5- 6.0 bar
Set Starting Pressure and Stopping Pressure: (Mode 2) Starting pressure range: 0.5-6bar
Stopping Pressure Range: 0.8 - 9.8bar
Max Rated Amperage Draw: 10A
Max Power: 2200 Watt, - 2.2kW
Max Working Pressure: 1Mpa- 10bar- 145psi
Rated Voltage: AC 220V
Frequency: 50Hz
Minimum Flow: 0.5 Litres per Minute
Max Working Temperature: 60°C
Max Medium Temperature: 60°C
Protection Grade: IP54
Package Information:
Weight: 1.5kg
Size of Unit: 210mm L x 190mm H x 180mm W

Applications:

Suitable for supplying water to domestic households.
Suitable for small – medium scale home garden irrigation pumps.

Construction Characteristics:

- Real time indication of system pressure displayed on LED display
- 1.5 Meter long power lead and 3 pin Australian plug
- 0.6 Meter long pump power lead, 3 pin Australian plug and play
- Made using approved food grade materials
- Special NON RETURN VALVE to avoid water surging.
- Has Built In NO flow & Loss of prime protection
- Manual start switch (RESET)
- Voltage LED (GREEN power on light)
- Pump working LED (ORANGE pump on light)
- Security System LED (STATUS)
- Adjustable Cut In Starting Pressure



Preferred Distributor Details...