



D2K
CONTROLLER OF WATER PUMP
MANUAL FOR AUTOMATIC
INSTALLATION & INSTRUCTION

higher than the manometric one, and the pump will have to give at least a pressure (formed by professionals). As per standards the starting pressure should be 0.3 bar below on the screw according to the wished side (Pressure adjusting must be below the indicated pressure shown in the pressure gauge when the pump starts and placed in the job of the control (Fig-2))

To use model D2K. The adjustment of the starting pressure is made by the screw in case of using the control in points between 12 and 30m height for air suggested in for model D2K and the pumps should supply a minimum pressure of 5.2 bar.

The water column between the pump and the highest point of use shall not exceed 12 ATTENTION:

brump from installation. possible flexion charges and vibrations. Bell valve which permits the isolation of the flexible with a glass-embedding link for network connection, protecting the set from the following accessories are recommended:

The following accessories are recommended: the inlet obeying (water 1.) directly to the pump outlet and the lateral outlet (water 1.) to correct. The controller should be installed always in a vertical position, thus connecting before proceeding with hydraulic connection, it is essential to prime the pump

[1] HYDRAULIC CONNECTION (Fig-3)

obposite side, a pressure gauge vent (without O-ring or tetlon) fixing it by means of the two supplied screws. The screw-tab is to be located on the the cylindrical connector with the O-ring into the hole in the body of the device and the pressure gauge can be mounted on any side of the controller by introducing the pressure gauge is provided with an O-ring, two fixing screws and a screw cap.

[1] INSTALLATION OF THE PRESSURE GAUGE (Fig-1)

Max pressure for use: 10 bar
Starting pressure: D2K: 1.2-3.0 bar

Max water temperature: 90°C
Protection class: IP 02

Frequency: 20/60 Hz
Max current: 10 (9) A

Voltage: 230V-240V

TECHNICAL CHARACTERISTICS

- security system LED (EVILURE)

- pump-working LED (ON)

- tension LED (POWER)

- manual start switch (RESET)

- pressure gauge

- security system avoiding the possibility for the machine to work without water

- special non return valve to avoid surges

- Outlet: water 1"

- Inlet: water 1"

CONSTRUCTION CHARACTERISTICS

Water is not mixed with non-drinking one.

System. In installations where both types of water are present, make sure that drinking water The electronic controller can be used either for drinking water or non-drinking water

CAUTION! The system as long as any tab in the system is open during the pump's operation. closing any tab or valve of the system. The controller can keep a constant pressure and water flow The electronic controller orders the automatic start and stop of the water pump when opening or

leak in them.

9) Small leakage in some point of the installation--- verify possible leak of tank leakes and

3 - The pump starts and stops respectively. Check the setting of the connections and O-ring of the substitution conduct.

and the LED (EVILURE) will be on.

the nominal or constant oscillations. The security system will set by stopping the pump

Y) Air in the pump substitution---the pressure gauge will indicate a pressure lower than

pressure of the controller.

LED (EVILURE) is on. Check that the pump pressure is 0.8 bar higher than the starting

e) Not enough pump pressure---the security system has been activated and the corresponding

should be on.

q) No electrical supply---check the probe electric feeding. The tension LED (POWER)

on again. If the pump goes, it start immediately then replace the circuit.

c) Failure in the electronic circuit---switch off power supply, wait a few seconds and turn it

switch (RESET) the LED (ON) is activated but the pump goes, it work---consult your dealer.

LED (EVILURE) is on and the security system is activated. When we set on the manual start

p) Pump is blocked:

is on---check the water supply and restart the pump through the reset switch (RESET).

8) Not enough water supply, the security system has been activated and the LED (EVILURE)

5 - Pump goes, it start.

d) Incorrect electric connection on electronic board---check the connections according to Fig.3.

C) Breakdown on the electronic board---proceed to its substitution

the problem persists.

p) Manual start switch (RESET) is blocked---press it for several times. Consult your dealer if

5) Water leakage higher than 1.5 l/min at some point---check the system, the tab, etc.

1 - Pump goes, it stop.

POSSIBLE PROBLEMS

And problem after this procedure will be due to defective pump priming.

LED (POWER) will be the only one to remain on.

4 - Close the tab indicated on point 1. After 5-8 seconds the pump will stop. The tension

working the corresponding LED (ON) will be on.

range will reach approximately the maximum pressure provided by the pump. During its

3 - The pump starts working automatically and within a period of 30-35 seconds the pressure

5 - Connect the controller to the electric supply. The tension LED will light (POWER)

1 - Be sure that the pump is correctly primed, and then gently open the tab.

WARNING:

Bad connections may spoil the electronic circuit.

WARNING

made according the scheme in Fig. 4

higher than 10V by means of an auxiliary contact. In this case, the connections will have to be

bits. The controller can be also used for three-phase or single-phase pumps with interties

the cover of the electronic circuit and make the connections as per diagram on

Check the power supply to be 230V-240V. First disconnect the power supply, then dismount

ELECTRIC CONNECTION (Fig-3)

control.

if a tab of the installation is opened, that will reduce the internal pressure of the

only depends on the pump feature. It will be easier to proceed with the adjustment

This operation only adjusts the starting pressure, not the working pressure which

32m	5.2 bar	3.2 bar
50m	5.5 bar	3 bar

0.8 bar higher than the adjusted one. Example: