

## **DAB CONTROL-D (G) SET(\*)**

**(\*) = manometer included**

### **ELECTRONIC DEVICE FOR CONTROL AND PROTECTION OF THE PUMP**

**Its allows to set the cut-in pressure value of the pump.**

**Starts and stops the pump depending on opening and closing of the taps.**

**Stops the pump in case of a water shortage and protects it against dry running.**

**Is equipped with automatic restart in case of failure and anti-jamming function.**

**Can be installed on surface and submersible pumps.**

**No need for an expansion tank, check valve, filter or fittings.**

**Maintenance free.**





#### **TECHNICAL FEATURES**

Single-phase mains voltage	230 Vac	Protection degree	IP 65
Acceptable voltage fluctuation	+/- 10%	Maximum operating pressure	max 12 bar
Frequency	50-60 Hz	Maximum operating temperature	max 65 °C
Maximum Current	max 10 A	Minimum flow	~ 1 l/min
Maximum Power	1,5 kW (2 HP)	Male connections	Gc 1"



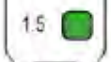

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#### **CONTROL PANEL**

##### **SIGNALING OF THE WORKING PHASES AND ANOMALIES**

Green led on		Power on	Device energized
Yellow led on		Pump on	Pump running
Red led blinking		Failure	Water shortage
Button		Restart	Reset after failure

##### **SETTING THE RESTART PRESSURE VALUE**

Green led on		Cut-in value 2,5 bar
Green led on		Cut-in value 2 bar
Green led on		Cut-in value 1,5 bar
Button		Cut-in selection

#### **INSTALLATION AND START UP**

**The device can be installed directly on the pump or between the pump and the first tap.**

Make all the electrical connections, check that the pump is correctly primed, open a tap and energize.

The green "Power on" Led will light up on the control panel and the pump will start (yellow "Pump on" Led on) and will keep running for several seconds to start up the system.

If this time is insufficient, the device will stop the pump (red "Failure" led blinking).

Keep the Restart button pushed in until the red "Failure" led turns off and the water comes out of the opened tap.

When the tap is closed the pump will stop after a few seconds (yellow "Pump on" led turns off).

From now on the device will turn the pump on and off depending on the opening and closing of the tap.

To change the cut-in pressure value keep the **Set** button pressed in for 3 seconds.

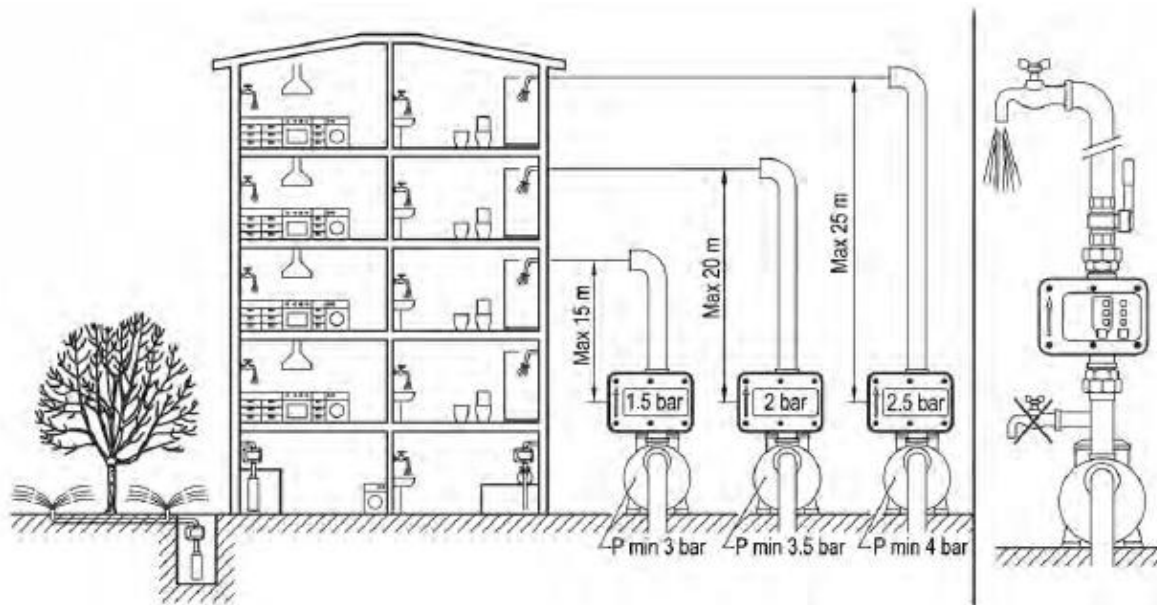
Repeat the process until the green LED in correspondence of the desired cut-in value.

Set the desired value as long as it is lower by at least 1 bar than the maximum pressure generated by the pump.

Set the desired value as long as it is higher (0.5 bar) than the pressure generated by the water column. In case of water shortage the device will stop the pump and protect against dry running (red "Failure" led blinking).

In case of freezing conditions it is possible to drain the water from the device.

In case of a temporary blackout, the device will automatically rearm once the electricity returns.



#### **AUTOMATIC RESTART AND ANTI-JAMMING FUNCTION**

In case of stopping due to a water shortage, the device will automatically make 10 double attempts to rearm over the 24 hours following the failure, each lasting approximately 5 seconds to allow the pump and the system to reload if possible. After the last failed rearming attempt, the device will remain permanently in alarm (red "Failure" led blinking) pending manual rearming by pressing the Restart button .

The user can try to rearm the device at any time by pressing the Restart button .

If for any reason the pump remains idle for 24 consecutive hours, the device will carry out a start up of the pump motor for about 5 seconds.