



USER MANUAL
SMART PRESSURE SWITCH TO PUMP

DIGIBO 1

1. TECHNICAL DATA Table 1. Recommended settings depending on the parameters

Range: 0-10 bar
Power supply: 230V, 50Hz
Protection: IP66
The maximum pump power: 1.5 kW
Maximum temperature: 80 ° C
Warranty: 2 years / 20 million cycles

Power	max H	pressure off	pressure switch
128W	25m	H2.0	L1.0
250W	32m	H2.6	L1.5
370W	35m	H3.0	L1.8
550W	40m	H3.3	L1.8
750W	55m	H4.8	L2.2

Upper limit = (H max) / 10 - (0.4 or 0.5)

Installation:

- 1 If the pump does not have a check valve, pressure switch before you need to install a check valve to prevent backflow of water that make the switch will not work properly in this case the pump can be switched off naprzemiennie.
2. After unscrewing the tap / valve, if the pump is alternately turned on / off, set a higher value H.
3. If the pump is still operating despite the closure of the valve, reduce the value H, while if the pump does not turn, set a higher value L.

2. SETTING THE PARAMETERS

Setting the pressure off - H

Use the buttons (arrow keys) to set a limit, up arrow - to increase, down arrow - to decrease, after setting the switch to save the settings and automatically switches to the operation mode.

1. to set a relatively high value H, e.g., H5,5
2. close all valves and check the value on the display, for example. 4.5
3. open the upper valve, and turn on the pump, the pump draws water smoothly, check the value on the display, for example. 3,5.
4. This means that the actual value should be 3.5-4.5 H, normally set to a value of 0.3 or 0.4 below the last proven value in this case is H - 4.1.
5. the maximum operating pressure of the pump is usually (max. Raising / 10) if the pump has a max. 32m lifting H value should be about - 2.6.

Setting the pressure switch - L

1. Pressure off L1.2 or 1.5 should be adequate in most cases, if the pump starts when you turn on the tap, without having to change.
2. if the pump does not start when you turn on the tap, increase the value of L to the launch of the pump.
3. When the valve is closed the pump will stop, check the constant display np.2.2, then remove the faucet and check the displayed value prior to the start of the pump, np.1.2, then set L of 1.2 - 2.2, eg. 1.5

3. INSTALLATION

1. if you are using a circulating pump, install a valve in order to use the switch.

2. if using a self-suction centrifugal pump valve must be installed at the pump outlet and switch should be installed > 1 m above the valve to the pressure switch was stable.
3. Note if the source water is above the level of the suction nozzle of the pump and the water pump is supplied to gravity, set the pressure switch L, less than 2 bars and is a pump having a low working pressure, in order to prevent frequent on / off switching of the pump which affects its service life.

4. DESCRIPTION OF FUNCTION:



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In order to avoid frequent switching on and off the pump, set the delay off the pump. In order to set the delay simultaneously press two keys (1 and 2 above) and hold for three seconds, the display shows "n03" (n is the number of the delay is 3 seconds) using the above button no. 2 and 3 to modify the time. If no operation is performed within 3 seconds, the setting is automatically saved and the unit will go into operation.

Dry-running protection

Protection against dry-running is enabled by default if a specific reason you do not want to leave this feature turned on, simultaneously press the No. 2 and No. 4 and hold for 3 seconds, the display will show the code "FO" (function off) or F1 (function enabled by default) if no operation is performed within 3 seconds, it will automatically save and return to operating mode.

5. TROUBLESHOOTING

Tabela.2

Problem	possible cause	Solution
The valve was closed and the pump continues to work	No suction power, the water level dropped below 7m.	Lower the pump mounting location
	Switch-off pressure (H) is set too high, the pump can not reach the required pressure.	Lower pressure means (H) below wilskości shown on the display while the valve is closed.
	No valve, the water backs up in the pipeline.	Install the valve
	The suction pressure in the suction pipe is not higher pressure switch (L)	Increase the pressure switch (L)

DECLARATION OF CONFORMITY EC / EU (Module A):

1. Pressure switches: 10P-PC, PC-14, PC-15, PC-16, PC-59, SK-15, LC12, SK2-PC, PC-2, 1 DIGIBO
2. PHU Dambat, Gawartowa Wola 38, 05-085 KAMPINOS, POLAND e-mail: biuro@dambat.pl
3. This declaration of conformity is issued under the sole responsibility of the manufacturer.
4. Series of switches contained in the Step 1.
5. On the basis of the Act of 30 August 2002. A compliance system (Journal of Laws of 2004. No. 204, item. 2087) declare with full responsibility that the submersible pump to which this declaration relates, are made in accordance with the following directives and they included references to the following standards:
 - LVD Directive no. 2014/35 / EU
 - EMC Directive No. 2014/30 / EU
6. Applied standards:
 - EN 60730-1: 2002, EN 61000-6-1: 2007, EN 61000-6-2: 2007,
 - EN 61000-6-3: 2007, EN 61000-6-4: 2007

Gawartowa Wola 38
Adam Jastrzebski
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Jastrzebski Adam