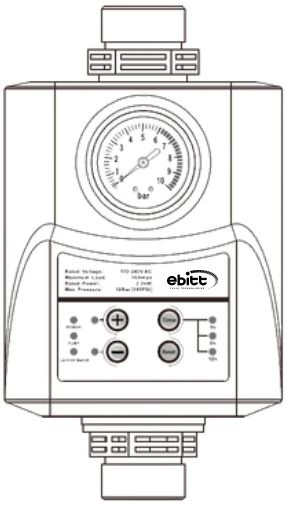
FLUID TECHNOLOGIES

IDRODRIVE-2

Electronic Pressure Controller













EBITT was born from “an idea” and turned into “an ideal”

EBITT is a specialized organization with deep expertise in pump and fluid technologies, capable of accurately interpreting both Turkish and global market demands and translating them into the right solutions.

Founded to be the ideal intersection of supply and demand in fluid technologies, EBITT goes beyond developing and marketing products. It represents a holistic business model built to meet expectations at the highest level.

More than a company, EBITT is a perspective, a system, and a spirit. Its foundation is human capital and accumulated expertise, transferred sustainably like a relay race rather than treated as a traditional capital asset.

For EBITT, innovation is not limited to technological advancement. It is a creative, value-driven approach that prioritizes responsibility, customer expectations, business efficiency, and uncompromising standards for health and safety. Every innovation emerges from this integrated understanding.
Quality, for EBITT, is a non-negotiable standard in all areas involving water and fluids—throughout life. Together with its suppliers, customers, and team members who share this philosophy, EBITT builds long-term, sustainable win-win relationships.

With this mindset, EBITT offers a wide range of products and systems, from basic solutions to process-specific equipment, serving residential, industrial, agricultural, irrigation, pool, treatment, and specialized applications. Beyond standard products, EBITT also delivers tailor-made solutions that maximize added value.

EBITT believes the ideal solution is not always the most expensive one, but the most rational—optimizing needs in the most efficient way.
Positioning itself as a trusted solution provider, EBITT stands out with its values, flexibility, and dynamic structure, ready to respond to evolving demands.

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FLUID TECHNOLOGIES

IDRODRIVE-2

ELECTRONIC PRESSURE CONTROLLER

IDRODRIVE-2

IDRODRIVE-2 is an electronic pressure controller with a pressure gauge. Users can set the starting pressure according to actual needs through the control panel and can intelligently detect pipeline water pressure and flow to achieve the starting and shutdown of the pump.

Features

Two operating modes are provided:

- Smart Mode: Self-learning function to intelligently set the starting pressure;
- Timing Mode: Timed water refilling for water tower, automatically starts according to the set interval time;

Pressure gauge display, users can manually adjust the starting pressure using plus and minus buttons as needed;
Water shortage protection

Function Description

Self-Learning Mode
After plugging in the power, when the water pump is working, close the water outlet valve, and the water pump will maintain pressure and stop within 3 seconds. Press and hold the reset button to enter the self-learning mode. At this time, the system automatically detects the maximum pressure value in the current pipeline and sets the starting pressure based on this value. Then, open the water outlet valve again, and the water pump will start when the pressure drops to the starting pressure value. The maximum recognized stopping pressure is 6 bar. If the water pump requires a stopping pressure greater than 6 bar, manual adjustment of the starting pressure is necessary. (Note: If the user selects a water pump with too low a head, the starting pressure set by self-learning may be invalid, and manual adjustment of the starting pressure will be required.)

Water Shortage Protection Function
If no water is detected for 20 seconds running after powering on , the water pump will stop for 10 seconds; after 40 seconds of operation, it will stop for another 10 seconds if no water detected; if there is still no water after another 40 seconds, it will stop and wait for 24 hours before entering the next starting detection cycle, it will repeat the cycle mentioned above until water flow detected. In the water shortage condition , the water pump can be manually restarted at any time by quickly pressing the RESET button.

Timing Function
The timed water refilling function for water tower automatically starts according to the set interval time (set values are lH, GH, 12H).
Manual Adjustment of Starting Pressure
Users can adjust the starting pressure value according to actual needs by pressing the plus or minus keys (non-linear).

Technical Parameters

Technical Parameters	
Rated Voltage	110~240V
Frequency	50/60Hz
Max. Current	16A
Max. Power	2.2 kW
Max. Working Pressure	10 bar
Starting Pressure (Default)	1.5 bar
Max. Ambient Temp.	60°C
Inlet/Outlet Thread Type	G1"
Protection Rating	IP54

Operation Interface Description

Indicator lights:
POWER: constant light-up----- indicates the power is connected;
Flashing-------- indicates the motor is running.
PUMP: constant light-up----- indicates there is flow.
LACK OF WATER: constant light-up ------- indicates a water shortage condition.
lH, GH, 12H: it indicates the interval time the pump will get restarted.

Button Description:
POWER: constant light-up----- indicates the power is connected;
Flashing-------- indicates the motor is running.
PUMP: constant light-up----- indicates there is flow.
LACK OF WATER: constant light-up ------- indicates a water shortage condition.
lH, GH, 12H: it indicates the interval time the pump will get restarted.

Reset: Single click to enter constant pressure mode, long press to perform self-learning.

Pressure Adjustment: Used in conjunction with the Reset button to set the starting pressure.

Time: Single click to switch timing intervals, cycling through lh, Gh, and 12h.

Operating Instructions

- The factory default mode is SMART Mode. After plugging in, it can start and stop normally. It can also enter self-learning mode by pressing and holding When the water pump is working, close the water outlet valve. After the flow check valve closed and sensed no water flow, the water pump will maintain pipeline pressure and stop within 3 seconds. Press and hold the RESET button until it enter self-learning mode. At this time, the system will self-learn the maximum pressure value at the moment and set the starting pressure accordingly . Then, open the water outlet valve again, and the water pump will start when the pressure drops to the starting pressure value. The maximum recognized stopping pressure is 6 bar. If the water pump requires a stopping pressure greater than 6 bar, manual adjustment of the starting pressure is needed. If the water pump's head is too low, the self-learning setting may fail, and manual adjustment of the starting pressure by quickly pressing the plus and minus buttons will be required.
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- Manual Button: If the pump frequently starts due to issues like short pipelines or severe leaks, you can decrease the starting pressure by pressing the"-" button
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- If the selected pump's head is too low, leading to ineffective self-learning settings and preventing normal pump starting, increase the starting pressure by pressing the "+" button until the pump starts successfully.
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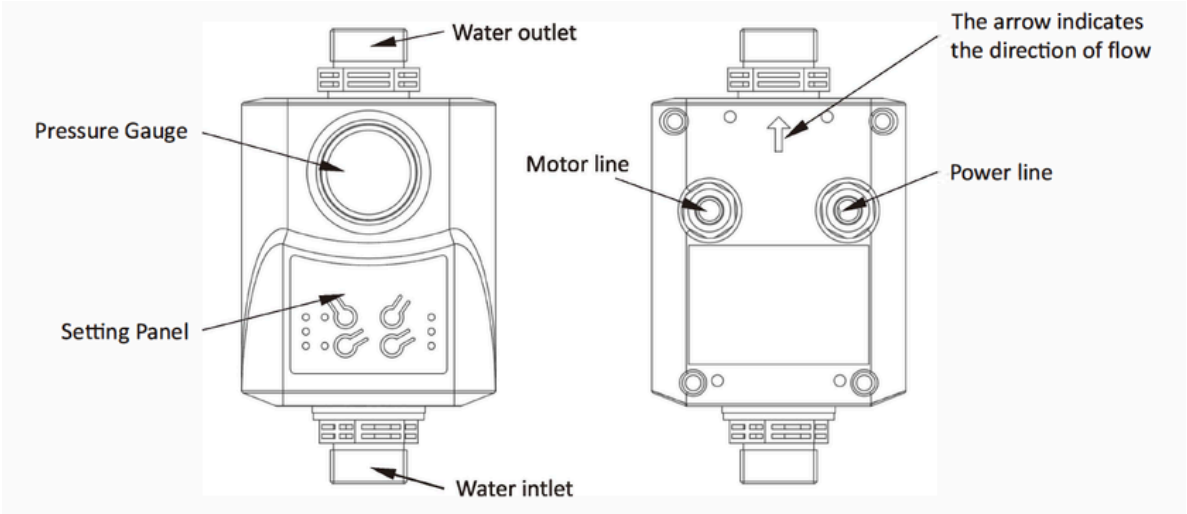
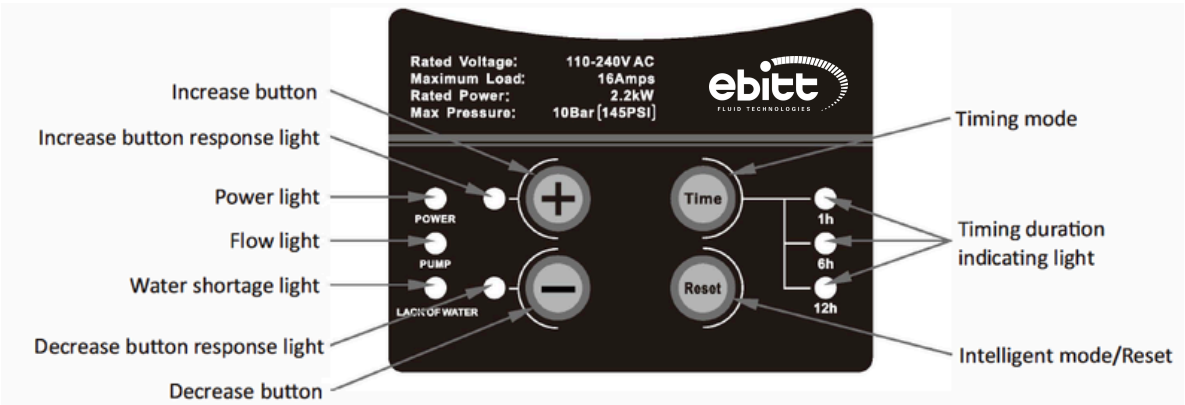
- Water Tower Timed Replenishment: The system automatically stops when the water tower is full. The pump will automatically start according to the set timing intervals. Press the Time button to switch between timing settings: lH, GH, and 12H. (Note: A float valve must be installed at the water tower's outlet.)

Product Structure





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