



PRESS-TECH

ELECTRONIC DEVICE FOR CONTROL AND PROTECTION OF THE PUMP

It can be energized at either 115 Vac or 230 Vac.

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 from 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 check valve, filter or fittings. Maintenance free.

TECHNICAL FEATURES

Single-phase mains voltage	115 Vac / 230 Vac	Operating pressure	max 12 bar
Acceptable voltage fluctuation	+/- 10%	Operating temperature	max 65 °C
Frequency	50 / 60 Hz	Minimum flow	~ 1l/min
Current	max 10 A	Male connections	Gc 1"
Power	max 0,75 kW (1 HP) - 1,5 kW (2 HP)	Certifications	TÜV SÜD
Protection	IP 65		

CONTROL PANEL

SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led blinking	Water shortage
	RESTART	Button	Reset after failure

INSTALLATION AND STARTUP

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 pressurize the system. If this time is insufficient, the device will stop the pump (red "Failure" led blinking). Press and hold down the Restart button until the red Failure led turns off and the water comes out of the open 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.

In case of water shortage, the device will stop the pump and protect it from dry running (red "Failure" led blinking). In case of a temporary blackout, the device will automatically rearm once the electricity returns.

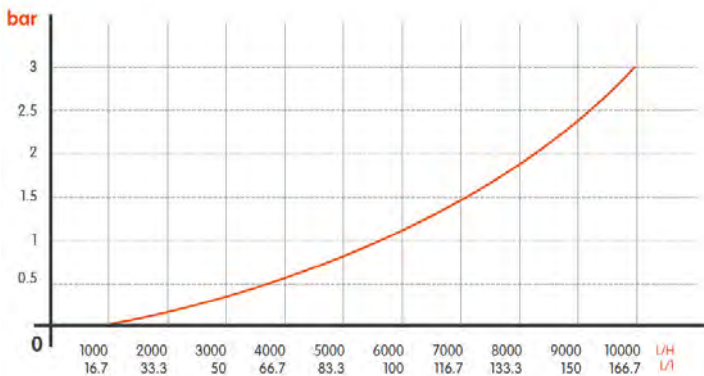
In case of system maintenance or freezing conditions, it is possible to drain water from the device without removing it from the system.

SELECTION OF THE DEVICE WITH APPROPRIATE RESTART VALUE

 RESTART PRESSURE	1,2 bar	1,5 bar	2,2 bar	3 bar
 FLOORS NUMBER	4	5	7	10
 BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt
 MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar

➤ Standard restart value: 1,5 bar. The restart values indicated in the table are available on request.

PRESSURE LOSS DIAGRAM



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. 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.

OPTIONALS

On request, the device can be supplied with:

- Manometer (0-12 bar range) factory mounted or supplied separately.