

DIG-IBO 2

An electronic pump controller with a digital display, replacing the mechanical pressure switch. It controls the operation of a single-phase pump rated up to 1.5 kW on the basis of pressure and flow rate in the pipeline.

Pump control

Cut-in and cut-out pressures are set independently, across a wide setting range. Digital display with selectable unit (bar, psi, A) and LED indication of power supply, operating mode, pump operation and water shortage. Manual pump start function.

Two operating modes

Pressure control — operation in a system with a pressure vessel; the pump starts when water is drawn off and stops once the draw-off ends.

Timing — cyclic operation at a set interval (1, 3, 6, 12 or 24 h), for filling tanks and IBC containers, e.g. in combination with a float valve that shuts off the outlet (e.g. Flowarm).

Pump protection

Dry-running protection with an adjustable pressure threshold and delay time. Adjustable current overload protection 0–16 A. Anti-seizing protection – automatic test start after 48 h of inactivity. Automatic restart attempt once the water shortage has ended and after the power supply is restored. Indication of pressure sensor failure, continuous operation exceeding 6 h and excessive switching cycles.

The device is intended for use with technically clean raw / untreated water, upstream of the treatment process. The DIG-IBO 2 is supplied with a socket and plug.



Technical data

- Power supply: 1~230 V, 50 Hz
- Max. pump power: 1.5 kW
- Max. operating current: 12 A
- Cut-in pressure: 0.5–7.5 bar
- Cut-out pressure: 0.8–9.6 bar
- Max. system pressure: 10 bar (1.0 MPa)
- Overload protection: 0–16 A (adjustable)
- Protection rating: IP65
- Max. water temperature: 40°C
- Max. ambient temperature: 60°C
- Connection: 1/4" female thread
- Item no.: KAT02248 | EAN: 5903887263030
- Warranty: 24 months

Funkcja / parametr	DIG-IBO 1	DIG-IBO 2
STEROWANIE I OBSŁUGA		
Cut-in pressure setting	from the display, op. range 0–10 bar	0.5–7.5 bar (independent setting)
Cut-out pressure setting	from the display, op. range 0–10 bar	0.8–9.6 bar (independent setting)
Operating modes	1 – pressure control	2 – pressure control + Timing
Interval operation (1/3/6/12/24 h)	–	✓
Cyclic filling of tanks and IBC containers	–	✓
Digital display	✓	✓ unit selection: bar / psi / A
LED indication of operating states	–	✓ power supply, mode, pump operation, no water
Manual pump start override	–	✓
PUMP PROTECTION		
Dry-running protection	✓ fixed reaction time 20 s	✓ adjustable pressure threshold and delay
Automatic restart after water shortage ends	–	✓ attempts at 1 h intervals
Automatic restart after power supply is restored	–	✓
Current overload protection	–	✓ adjustable 0–16 A
Protection against pump blocking	–	✓ test start after 48 h standstill
Continuous pump operation monitoring	–	✓ indication after 6 h
Excessive switching cycle monitoring	–	✓
Pressure sensor failure indication	–	✓

The DIG-IBO 2 is a controller intended for cold raw / untreated water systems – water draw-off and pressure boosting upstream of the treatment process, where the medium temperature does not exceed 40°C.

The DIG-IBO 1 remains in the range as a solution for applications with elevated water temperature and for installation in conditions requiring an enclosure with IP66 protection rating.