SWITCHMATIC

PRESSURIZATION EQUIPMENT

SMART-TECH electronic pressure switch.

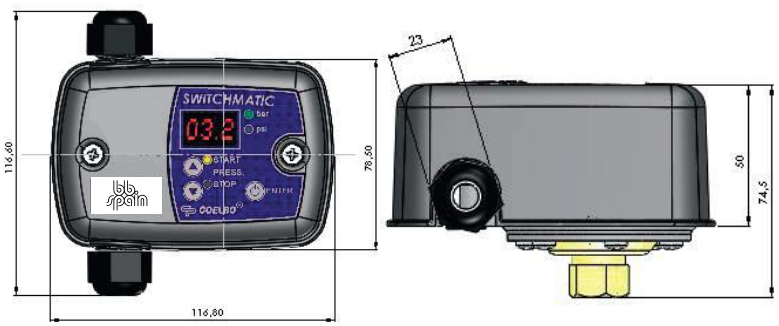
MODELS:
SWITCHMATIC
SWITCHMATIC 2

This unit SWITCHMATIC is an electronic pressure switch with an integrated digital pressure gauge. It can manage the start and stop of single-phase electric pumps up to 3 HP (2,2 Kw). Cut-in and cut-out pressure implementation can be set easily and accurately through a user friendly control panel. Wiring is carried out identically to a conventional electromechanical switch. It can operate as a differential pressure switch, as an inverted pressure switch, or just with max. or minimum pressures. SWITCHMATIC 2 includes also instantaneous current lecture, this patented version controls and manages the overcurrent, the dry-running protection of the pump and fast cycling protection.

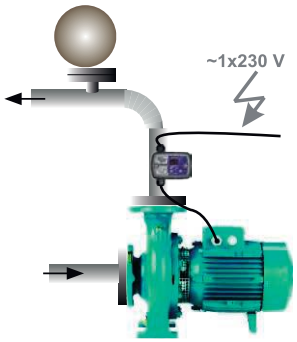
Operating Characteristics

- Inner pressure transmitter
- User friendly control panel with 3-digits display, led-lights and push-buttons.
- Integrated pressure gauge with bar and psi instantaneous display.
- Four operation modes:
    - Differential.
    - Inversed differential.
    - Maximum pressure.
    - Minimum pressure.
- Manual start.
- Dry-running protection (only type Switchmatic 2).
- Rapid-cycle alarm: when the hydropneumatic tank has lost the air and frequent start-stops are produced an alarm is activated (only type Switchmatic 2).
- Overcurrent protection (only type Switchmatic 2).
- ART function (Automatic Reset Test). If the device has been stopped due to the action of the safety system against dry operation, the ART tries to connect the pump, with a programmed periodicity untill the water supply is restored (only type Switchmatic 2)
- Sleep mode with low power consumption.
- RoHS and WEEE compliant.
- EMC certified and Electrical Safety certifed.

Dimensions



Assembly



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Technical Characteristics: **SWITCHMATIC**

Power supply voltage	~1 x 230 Vac
Frequency	50/60 Hz
Max. current	16A
Maximum pump power	3 HP (2,2 kW)
Protection degree	IP65
Max. water temperature	50ºC
Max environment temperature	60ºC
Starting pressure range (cut-in)	0,5-7 bar
Stop pressure range (cut-out)	1-8 bar
Maximum Differential	7,5 bar
Minimum differential (adjustable)	0,5 - 1,5 bar
Factory setting (cut-in / cut-out)	3 bar / 4 bar
Inlet thread	G1/4" female
Net weight (without cables)	0,28 kg

Control Panel Characteristics:

For SWITCHMATIC and SWITCHMATIC 2:

- 3 digit display:
  - ·Operation mode: instantaneous pressure.
  - ·Set mode: cut in and cut out pressure.
- bar-psi led lights (green).
  - ·Operation mode: bright bar or psi.
  - ·Pump on: flashing bar or psi.
- START-STOP led lights (yellow):
  - ·Bright → displayed Pressure start of Pressure stop.
  - ·Flashing → Setting start or stop.
- ▼and ▲ push-buttons: increase or decrease configuration parameters.
- ENTER push-button:
  - ·Manual start and stop.
  - ·Confirm configuration value.

Only for SWITCHMATIC 2:

- A led light (green):
  - ·Bright → displayed instantaneous current consumption of the pump.
  - ·Flashing → setting maximum current of the pump.

- 🔔alarm led light (red): dry-run, over current, fast cycling.
- A push-button: set and display current intensity.