

# Switchmatic

## Switchmatic 2

Texto

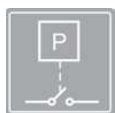
complet pump protection



### Electronic pressure switch. Patented Model.

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 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.



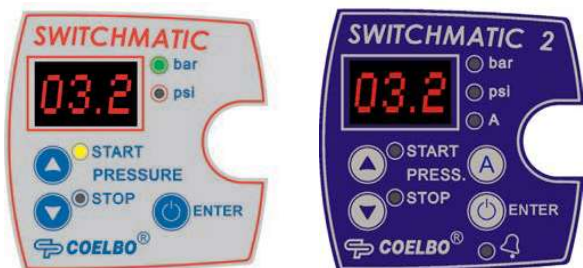
**SWITHCMATIC**  
**SWITCHMATIC 2**



## OPERATING CHARACTERISTICS

- **ART** function (Automatic Reset Test). If the device has been stoped due the action of the safety system against dry operation, the **ART** tries to connect the pump, with a programmed periodicity because the water supply could have been restored (only type SWITCHMATIC 2).
- Sleep mode with low power consumption.
- Inner pressure transmitter.
- Integrated pressure gauge with bar and psi instantaneous display.
- User friendly control panel with 3-digits display, led-lights and pushbuttons.
- EMC certified and Electrical Safety certified.
- Dry-running protection (only type SWITCHMATIC 2).
- Overcurrent 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).
- Manual start.
- RoHs and WEEE compliant.
- Four operation modes:
  - Differential.
  - Inversed differential.
  - Maximum pressure.
  - Minimum pressure.

## CONTROL PANEL



- 3 digits display:
  - Operating mode: Instantaneous pressure.
  - Set mode: Cut in and cut out pressure.
- Bar-psi led lights (green):
  - Operating mode: Bright bar or psi.
  - Pump on: Flashing bar or psi.
- Star-Stop Led (yellow):
  - Bright: displayed Pressure start or Pressure stop.
  - Flashing: Setting Psart or Pstop.
- 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 red light 🔔: dry-run, over current, fast cycling
- A push-button: Set and display current intensity.

## TECHNICAL CHARACTERISTICS

	SWITCHMATIC SWITCHMATIC 2
Power supply voltage	~1 x 115-230 Vac
Frequency	50/60 Hz
Max. current	30(16) A
Maximum pump power	2,2 kW (3 HP)
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 / 4 bar
Protection degree	IP65
Max. water temperature	50 °C
Max. environment temperature	60 °C
Net weight (without cables)	0,28 kg
Inlet thread	G 1/4" H

## DIMENSIONS

