

# Switchmatic 2 T

Thriphasic electronic pressure switch. Patented Model.

SWITCHMATIC 2T is a three-phase electronic pressure switch with integrated digital manometer. It manages the start and stop of a three-phase pump up to 4kW (5,5 HP). Cut-in and cut-out pressures are easily adjustable through the users control panel.

SWITCHMATIC 2T includes also instantaneous current lecture and voltage. It can be mounted individually or in groups of 2 pumps synchronized and operating in cascade mode with alternated sequence of operation. This patented version controls and manages the overcurrent, voltage out of range protection, the dry-running protection of the pump and fast cycling protection.



SWITCHMATIC 2T

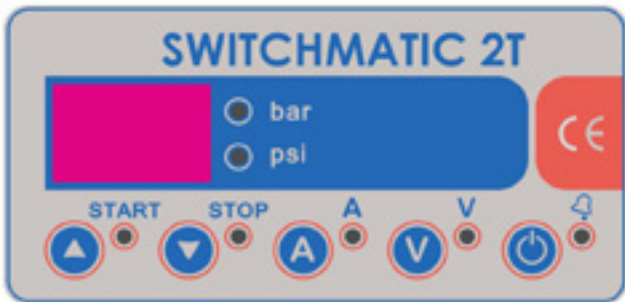
## OPERATING CHARACTERISTICS

- Operation modes: differential, inverted and synchronized.
- 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.
- 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.
- **Overcurrent** and **Dry-running** protection by instantaneous current reading.
- **Rapid-cycle alarm**: when the hydropneumatic tank has lost the air and frequent start-stops are produced an alarm is activated and is delayed the start.
- **Overload alarm**.
- Manual start push button.
- **Register of operational parameters**. Information about: operating hours, counter of starts, counter of connections to the power supply.
- **Register of alarms**. Information about type and number of alarms.



Low Voltage Directive 2014/35/EC  
Electromagnetic Compatibility 2014/30/EC  
RoHS 2011/65/EC + 2015/863/EC

## 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 (green):
  - Bright: displayed Pressure start or Pressure stop.
  - Flashing: Setting Pstart or Pstop.
- Push Buttons ▲▼: Increase or decrease configuration parameters.
- ENTER push-button:
  - Manual start and stop.
  - Confirm configuration value.
- "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.
- "V" push-button: Set and display the voltage

## TECHNICAL CHARACTERISTICS

	SWITCHMATIC 2T
Power supply voltage	~3 x 230-400 Vac
Frequency	50/60 Hz
Max. current	10 A
Maximum pump power	4 kW (5,5 HP)
Starting pressure range (cut-in)	0,5 ÷ 11,5 bar
Stop pressure range (cut-out)	0,5 ÷ 12 bar
Maximum differential	11,5 bar
Minimum differential	0,5 bar
Factory setting (cut-in/cut-out)	3 / 4 bar
Protection degree	IP55
Max. water temperature	40 °C
Max. environment temperature	50 °C
Net weight (without cables)	0,654 kg
Inlet thread	G1/4" F

## DIMENSIONS AND INSTALLATION

