

# T-KIT Switchmatic

Electronic pressure switch + 3 ways fitting + non-return valve + complet pump protection. Patented Model.

T-KIT Switchmatic is an electronic pressure switch integrated in a 3-ways fitting with a 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 users friendly control panel. Wiring is carried out identically to a conventional electromechanical switch.

It can operate as a differential pressure switch and as an inverted pressure switch.

There is an internal non-return valve.

T-KIT 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.



T-KIT Switchmatic 1

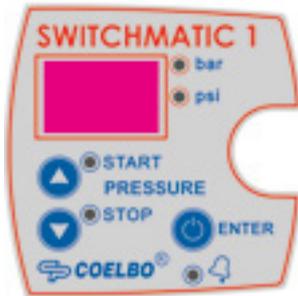
## OPERATING CHARACTERISTICS

- Electronic pressure switch integrated in a 3 ways fitting.
- Inner non-return valve.
- 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.
- Dry-running protection by current (for type T-KIT Switchmatic 2) and for minimal pressure (for type T-KIT Switchmatic 1).
- **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.
- Overload protection (only type T-KIT Switchmatic 2).
- 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.
- Manual start.
- Operation modes: differential, inversed differential and synchronized (only for T-KIT Switchmatic 2).
- Advanced MENU with complementary settings.
- **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.
- Alarm red light 🔔: dry-run and fast cycling.

## TECHNICAL CHARACTERISTICS

	T-KIT Switchmatic 1
Power supply voltage	~1 x 110-230 Vac
Frequency	50/60 Hz
Max. current	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	0,3 ÷ 0,5
Factory setting (cut-in/cut-out)	3 / 4 bar
Protection degree	IP55
Max. water temperature	104 °F
Max. environment temperature	122 °F
Net weight (without cables)	1.3 lbs
Inlet thread	G 1" M
Outlet thread	G 1" F
Pneumatic tank thread	G 1" F

## DIMENSIONS AND INSTALLATION

