

tekswitch

Multifunction digital electronic pressure switch with over-current protection electropump and dry running

Tekswitch is an electronic pressure switch with integrated digital pressure manometer. It allows to manage the start, stop and protection of a single-phase pump of up to 2.2 kW (3 HP). The pressures are easily set by the user and the connections are similar to that of a traditional pressure switch for pressurization systems.

It can operate as a differential or reverse pressure switch, it includes the reading of the ampers of the electric pump and protects it in case of overcurrent, it can be mounted individually or in groups of 2 pumps operating in cascade with alternation and contemporaneity management.

It is equipped with a dry running protection system and lock for too many close starts.



Display LED

- Led system status
- Led unit: Bar-Psi-A
- Pump status: START-STOP
- Buttons: setting parameters
- ENTER: manual start and stop

TECHNICAL FEATURES

	TEKSWITCH
Power supply	~1 x 110-230 Vac
Frequency	50/60 Hz
Max.current	16 A
Max. Power pump	2,2 kW (3 HP)
Differential pressure	0,5 ÷ 7 bar
Nominal pressure	1 ÷ 8 bar
Protection degree	IP55
Max. water temperature	40 °C
Max. ambient temperature	50 °C
Net weight	0,4 Kg
Hydraulic connections	G1/4" F rotary NPT1/4" F

MAIN FEATURES

- LED display multifunction for visualization: nominal pressure, current
- Manual start button
- LED for function signalling
- Operating modes: differential, reverse and synchronized
- Internal pressure transducer
- ART function (Automatic Reset Test). When the device is in dry running protection, ART shall test, at a programmed frequency, to restart the pump until the water flow is restored
- Low power consumption standby mode
- Expert configuration menu selection: differentials, delay times and other settings

PROTECTION

- Control system and protection of electric pumps against overcurrent
- Dry running protection system of the electric pump
- Start-stop rapid cycle control and protection system: when the expansion vessel leaks and frequent shutdowns and starts occur, an alarm is activated

