

Digiplus

Automatic digital pump-driver G 1 1/4". On-Off and pressure-dependent mode.

The **Digiplus** is a compact device for the automatic control and protection of electric single-phase pumps up to 3 HP (2,2 kW). This unit includes all the characteristics and functions of the traditional electronic pump controllers: flow sensor, integrated accumulation membrane, integrated check-valve, warning led-lights.

It can operate in pressure dependent mode (cut-in and cut-out pressures) or on-off mode (start pressure and stop by no flow).

Moreover, it has an internal pressure transmitter and instantaneous current sensor, providing additional features: the pressures can be adjusted with high accuracy, there is a digital pressure gauge and over-current protection adaptable to the pump.



DIGIPLUS

OPERATING CHARACTERISTICS

- Pump managed by power relay.
- Double operation mode: pressure dependent mode and pressure+flow dependent mode.
- Accumulation membrane and Integrated non-return valve.
- Digital pressure gauge (bar and psi).
- Inner pressure transmitter
- Inner flow sensor.
- Inner current sensor with instantaneous digital reading.
- **Stand-by mode.**
- **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 because the water supply could have been restored.
- **APR function** (Anti-blocking Periodic Routine).
- Control panel includes 3 digits display.
- **Register operation data:** controller operating hours, pump operating hours, number of operating cycles, number of connections to the power supply.
- **Alarm counters.**
- Inlet and outlet G 1 1/4".



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

CONTROL PANEL



Control panel includes 3 digits display, warning leds, push-buttons and configuration system.

TECHNICAL CHARACTERISTICS

	DIGIPLUS
Voltage	1~110-230 V (multiVolt)
Frequency	50/60 Hz
Maximum Current	16 A; cos fi ≥0.6
Power	2,2 kW
Start pressure	0,5 ÷ 7 bar 7 ÷ 102 psi
Stop Pressure	1 ÷ 8 bar 14 ÷ 116 psi
Protection degree	IP65
Maximum temperature	50 °C
Net weight	1,3 kg
Maximum flow	10.000 l/h
Inlet and Outlet threads	G 1 1/4"

SAFETY SYSTEMS

- Electronic control and safety system against dry-running operation.
- Over-current protection adaptable to each pump.
- Low pressure protection system.
- Flooding protection system.
- Rotor lock protection system.
- Protection system against cycling in pressure-dependent mode.

DIMENSIONS AND INSTALLATION

