

Digimatic 1

Digimatic 2 complet pump protection

Automatic digital pump-driver for electric pump integral control and protection.

DIGIMATIC 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: electronic flow sensor, integrated accumulation membrane, integrated check-valve, warning led-lights in electronic circuit that guides the electric pump operation and keeps pressure and flow accordingly.

Moreover, it has an internal pressure transmitter and instantaneous current sensor (only **Digimatic 2**), providing additional features: the starting pressure can be adjusted with high accuracy, there is a digital pressure gauge and over-current protection adaptable to each pump.



DIGIMATIC 1

DIGIMATIC 2

OPERATING CHARACTERISTICS

- Pump managed by power relay.
- Double operation mode: pressure dependent mode and pressure+flow dependent mode - *only DIGIMATIC 2.*
- 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 - *only DIGIMATIC 2.*
- **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** - *only DIGIMATIC 2:* controller operating hours, pump operating hours, number of operating cycles, number of connections to the power supply.
- **Alarm counters** - *only DIGIMATIC 2.*
- Inlet and outlet thread G1".



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, START-STOP and configuration system.

TECHNICAL CHARACTERISTICS

	DIGIMATIC 1	DIGIMATIC 2
Voltage	1~110-230 V (multiVolt)	1~110-230 V (multiVolt)
Frequency	50/60 Hz	50/60 Hz
Maximum Current	16 A; cos fi ≥0.6	16 A; cos fi ≥0.6
Power	2,2 kW	2,2 kW
Maximum Pressure	8 bar	8 bar
Start Pressure	0,5 ÷ 7 bar	0,5 ÷ 7 bar
Protection degree	IP65	IP65
Maximum temperature	50 °C	50 °C
Net weight	1,3 kg	1,3 kg
Maximum flow	8.000 l/h	8.000 l/h

SAFETY SYSTEMS

- Electronic control and safety system against dry-running operation.
- Over-current protection adaptable to each pump - *Digimatic 2*.
- Low pressure protection system.
- Flooding protection system.
- Rotor lock protection system.
- Protection system against cycling in pressure-dependent mode.

DIMENSIONS AND INSTALLATION

