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





