HC4

Automatic digital pump-driver

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

The HC4 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, 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.

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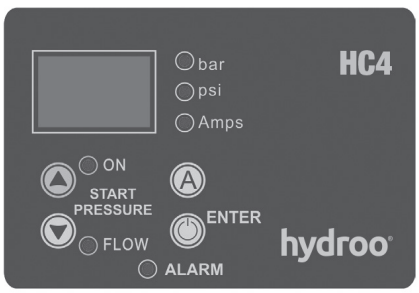
Operating characteristics

— Pump managed by power relay.
— Accumulation membrane and Integrated non-return valve.
— Dry-running protection.
— Digital pressure gauge (bar and psi).
— Inner pressure transmitter
— Inner flow sensor.
— Inner current sensor with instantaneous digital reading.
— Overcurrent protection.
— 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.
— Control panel includes 3 digits display.

Technical specifications

Voltage	1~110-230 V (multiVolt)
Frequency	50/60 Hz
Maximum current	16 A
Power	2,2 kW
Maximum current	8 bar
Start pressure	0,5 ÷ 4 bar
Protection degree	IP65
Maximum temperature	50 °C
Maximum flow	8.000 l/h
Net weight	1,3 Kg

Control panel

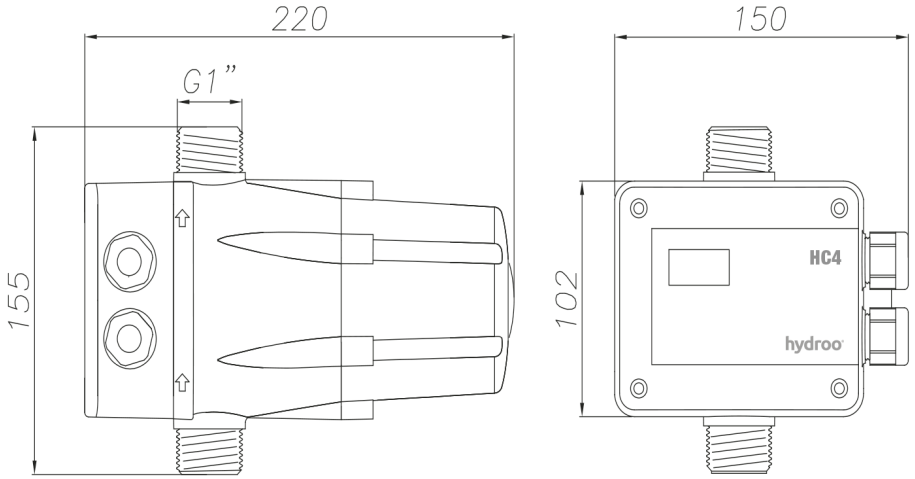


Control panel includes 3 digits display, warning leds, push-buttons, START-STOP and configuration system.

Safety systems

— Electronic control and safety system against dry-running operation.
— Control and safety system against short-circuit.
— Over-current protection adaptable to each pump.

Dimensions and Installation



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