

HC3

Electronic Pressure Switch



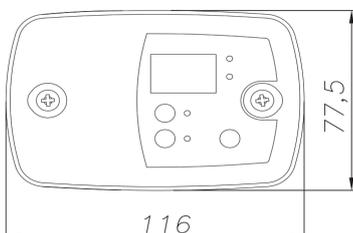
Electronic pressure switch with dry contact output for control panels

HC3 is an electronic pressure switch with integrated digital pressure gauge. It can manage the start and stop of single-phase electric pumps up to 3 HP (2,2 Kw). Cut-in and cut-out pressure implementation can be set easily and accurately. Wiring is carried out identically to a conventional electromechanical switch.

Its dry contact output it's ideal for transmitting an open/close signal to an external control panel.

This unit also includes a volt free contact for monitoring the alarms displayed in the screen.

Dimensions



hydroo®

Operating characteristics

- Dry contact output for control panels.
- ART function (Automatic Reset Test). If the device has been stopped due 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.
- Sleep mode with low power consumption.
- Inner pressure transmitter.
- Integrated pressure gauge with bar and psi instantaneous display.
- User friendly control panel with 3-digits display, led-lights and pushbuttons. - Manual start.
- Two operation modes:
 - Differential.
 - Inversed differential.
- EMC certified and Electrical Safety certified.
- RoHs and WEEE compliant. RoHs and WEEE compliant.

Technical specifications

HC3

Power supply voltage

~1 x 48-230 Vac / Vdc

Frequency

50/60 Hz

Max. current

16 A

Output

dry-contact

Starting pressure range (cut-in)

0,5 ÷ 7 bar

Stop pressure range (cut-out)

1 ÷ 8 bar

Maximum differential

7,5 bar

Minimum differential

0,5 ÷ 1,5 bar

Factory setting (cut-in/cut-out)

3 / 4 bar

Protection degree

IP55

Max. water temperature

40 °C

Max. environment temperature

50 °C

Net weight (without cables)

0,4 kg

Inlet thread

G 1/4" F

Control panel



- 3 digits display:
 - Operating mode: Instantaneous pressure.
 - Set mode: Cut in and cut out pressure.
- Bar-psi led lights (green):
 - Operating mode: Bright bar or psi.
 - Pump on: Flashing bar or psi.
- Star-Stop Led (green):
 - Bright: displayed Pressure start or Pressure stop.
 - Flashing: Setting Pstart or Pstop.
- Push Buttons ▲▼: Increase or decrease configuration parameters.
- ENTER push-button:
 - Manual start and stop.
 - Confirm configuration value.
- Alarm led-light Δ: dry-run, fast cycling, pressure sensor.