

ELECTRONIC PRESSCONTROL PC-1100

PRODUCT DESCRIPTION

PRESSCONTROL is a device that guarantees optimal control of pumps for domestic use. Deriving from a hydraulic and electronic logics project for the Australian and New Zealand market, it is capable of simultaneously detecting both the pressure and the flow, as well as automatically managing the pump operation. It replaces the traditional pressure controller and pressure tank, protecting the pump in the case of water shortages. PRESSCONTROL:

- Starts and stops the pump in accordance with the opening and closing of the taps
- Maintains constant pressure during delivery
- Stops the pump in the case of water shortage, protecting it from dry running
- Maintenance-free

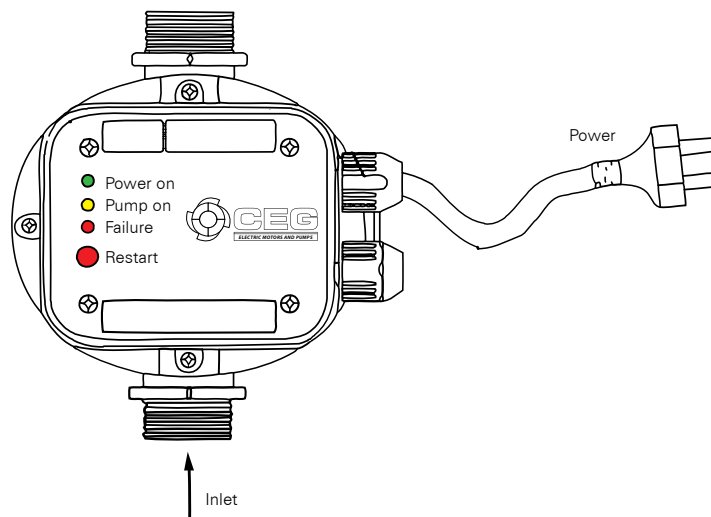


TECHNICAL DATA

Water temperature range min / max	5°C - 40°C
Ambient temperature	0°C - 50°C
Max. working pressure	10 bar
Start pressure	1.5 bar
Inlet/outlet pipe connection	25 mm BSP / 1" Inch BSP
Max particle size	1 mm (non-abrasive material)
Electrical supply	220V - 240V, 50 Hz
Electrical connection	AS/NZ plug fitted to 1.5m lead
Max current	10 A
Software version	2400 W

Table 5.0

UNIT STARTING AND WORKING



STARTING

When the unit is connected to the electrical network, the green LED "Power On" lights up and the yellow LED "Pump On" indicates that the pump is in operation. The pump continues to operate for up to 5 seconds enabling the system to fill the pipes and to reach the required pressure. If this is insufficient, the red LED "Failure" lights up. In this event, keep the "Restart" button pressed and wait with a tap open until the red LED "Failure" light is off. Once the button is released and the tap is closed, the unit stops the pump is at its maximum pressure.

FUNCTIONING

When starting operation is achieved, the unit is programmed to perform all the pump control operations automatically. When particular operational breakdowns occur, such as water failure, obstruction of the suction pipe etc, the unit recognises the breakdown and the red LED "Failure" lights up. At the same time a stop signal is sent to the pump to prevent damages caused by it's working in the absence of water. Rectification of the failures that have caused the blockage, allows the system to be restarted manually by pressing the "Restart" button.

INSTRUCTIONS FOR CORRECT UNIT INSTALLATION

If the column of water between the pump and the highest tap exceeds 15m, the unit cannot be installed directly on the pump. The PRESSCONTROL has to be raised until the column of water between the unit and the highest tap does not exceed 15m

The unit is equipped with a non-return valve to prevent the pipeline from losing pressure

No taps can be installed between the pump and the unit

The unit is pre-set by the manufacturer at the restarting pressure of 1.5bar (22psi). The pressure produced by the pump must be 0.8bar (12psi) higher than the preset pressure

