



“ the most compact and
cost-effective solution for
the full protection of a
pump”

pilot

Complete pump protection

PILOT is an electronic device for the control of single phase and three phase motors (pumps) which provides protection against :

- **Overcurrent, phase loss, excessive number of starts.**

The backlit LCD displays the running current and PILOT stops the pump if the maximum value set by the user is exceeded.

The maximum number of pump starts is also user selectable and PILOT will stop the pump operation if this value is exceeded.

- **Dry running**

PILOT provides a display of the power factor value (P.F. or $\cos\phi$) and allows the user to set a minimum threshold value for normal operation. PILOT will stop the pump below this value to protect against dry running.

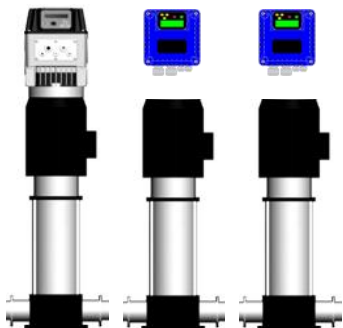
PILOT will make up to 5 automatic restart attempts following an alarm condition at time intervals set by the user.

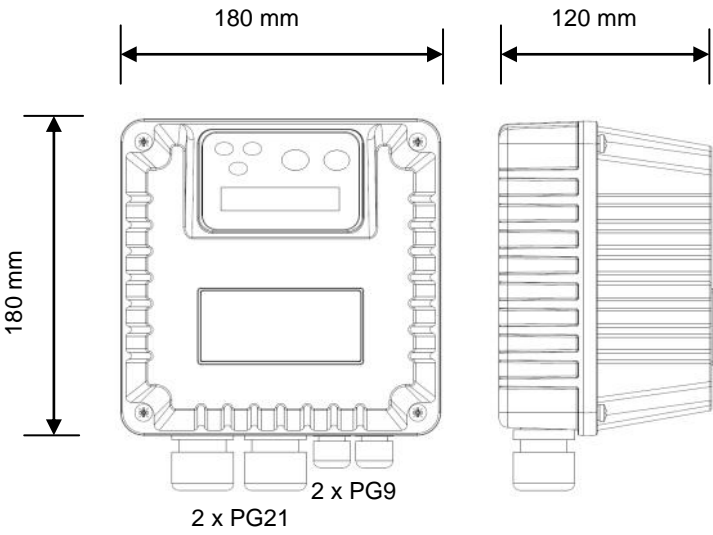
PILOT stores in memory the number of pump starts and total running hours. The alarm history is also stored to assist with servicing.

The body is constructed entirely of aluminium, making PILOT extremely solid and easily cooled.

The IP55 protection makes it possible to install PILOT even in humid and dusty environments.

PILOT, in combination with a VASCO inverter, will start and stop D.O.L. pumps while providing them with full protection.



Model	Voltage [+/- 10%] 50/60 Hz	Maximum current	Weight [kg]
PILOT 112	1 X 230 VAC	12 A	2
PILOT 118	1 X 230 VAC	18 A	2
PILOT 312	3 X 400 VAC	12 A	2,2
PILOT 325	3 X 400 VAC	25 A	2,4
* capacitor not included in the singlephase models (available upon request)			
Max. environment temperature: 40°C (104 °F)			
Max. altitude: 2000 m			
IP Protection: IP55 (NEMA 4)			
			

Also available:

- 2 digital inputs, user selectable as normally open (N.O.) or normally closed (N.C.), for connection of external control switches. These contacts (volt free) allow the pump to be stopped or started by float switches, pressure switches, thermal protection, etc...
- 1 output relay contact to control an external alarm (250 VAC or 30 VDC , max 5 A) . This is user configurable as N.O. or N.C.
- Contacts to connect a boost capacitor to assist the starting of single phase pumps.