

HYDROCONTROLLER

CONTROL SYSTEM WITH VARIABLE SPEED



Professional water-through VFD (Variable Frequency Drive) for residential and industrial applications (in line type, cooled by water). It controls the start&stop of the electric pump, adjusts the motor speed according to the actual water demand and keeps the desired pressure constant. The Hydrocontroller is suitable for booster sets with a maximum of 8 pumps in serial connection. It assures high energy saving and important advantages in terms of comfort, performance and durability of the system.

GENERAL CHARACTERISTICS

- Installation directly on pipe with no valve: no pressure losses
- Master/slave configuration for booster sets up to 8 pumps
- Quick and easy installation by 4 buttons and a 2 line-16 char display
- ON/OFF input for a float switch or remote control
- Output relay for a warning signal or to pilot a second pump at fixed rate
- Soft-start / soft-stop (reduced water hammering)
- Several protections with settable automatic reset

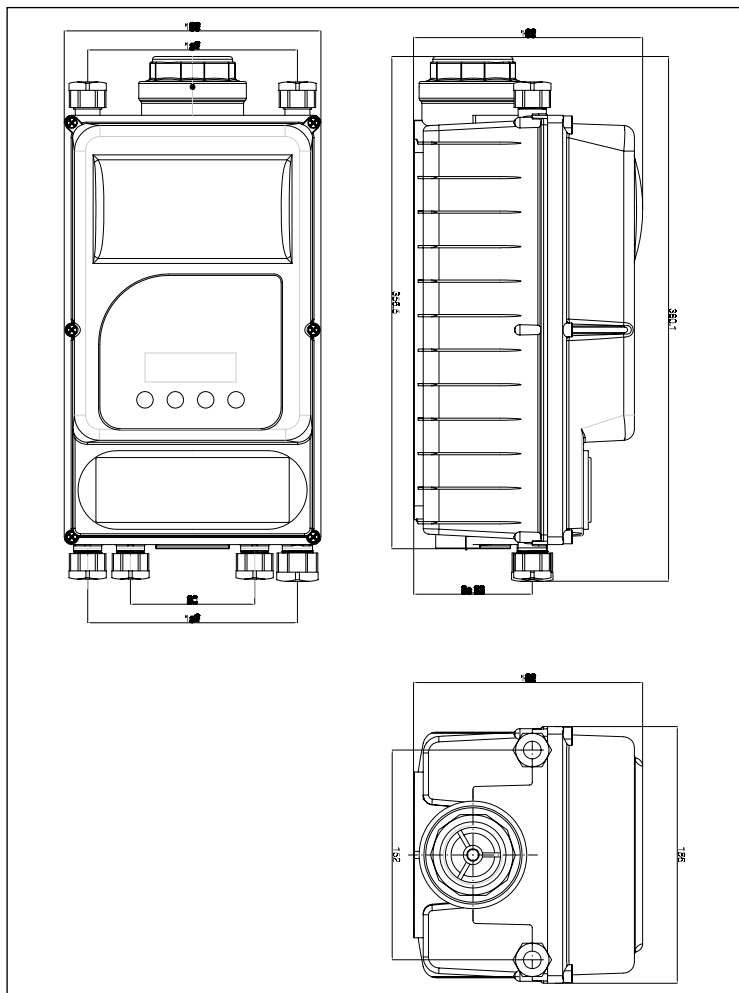
motralec

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DIMENSIONS



TECHNICAL DATA

Assembly	On pipe
Assembly positions	Any
Hydraulic Connection	1" ¼ female
Mains supply	3~400V
Pump voltage	3~400V
Phase current	max 6 A
Max pump power	2,2 kW
Output frequency	10-60Hz
Display	LCD 2 lines x 16 digits alphanumerical
Protection degree	IP65
Ambient temperature	5 – 40 °C
Pressure set-point	0,3 – 7,5 bar
Max overpressure	12 bar
Electrical safety	EN60730
Electromagnetic compatibility	EN61000 (other standards on CE declaration)
Protections	Dry-running
	Over/under voltage
	Short-circuit
	Overload
	Overtemperature
	Low pressure
	Pressure sensor fault
Booster sets	Up to 8 pumps
Weight	4 kg