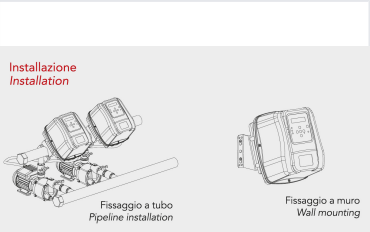
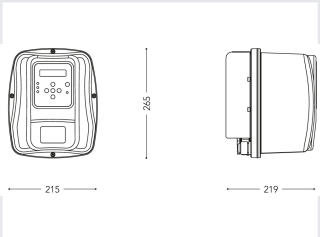
Electric Pump Inverter

This electric pump inverter employs technology to control traditional electric pumps, managing start and stop functions. It modulates the motor's input current frequency to adjust speed according to the system's water demand.



ADDITIONAL IMAGES



Overview

Advanced Pump Control

This electronic inverter device utilizes advanced frequency modulation technology to control traditional electric pumps, including surface, vertical, and submersible models. By adjusting motor speed based on real-time water demand, it ensures constant pressure, significantly reduces energy consumption, and prevents hydraulic hammering through soft-start/stop functions. The system is designed for reliability with comprehensive protections, including dry-running monitoring and automatic reset capabilities.

Technical Specifications

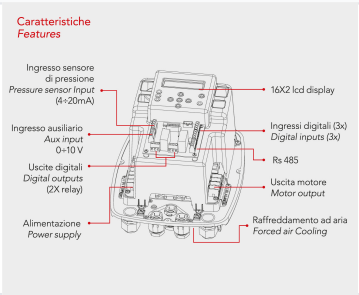
Motor Output Ratings

10.5 A	9.7 A
Max 1x230V Output	Max 3x230V Output

Protection Rating
IP44

Power Supply	Single-phase 230Vac ±10% - 50/60Hz
Cooling System	Forced air ventilation
Max Ambient Temperature	45 °C

Connectivity & Control



Detailed view of the device's connectivity, including sensor inputs, digital outputs, and communication ports.

Inputs

- Pressure sensor input (4-20mA)
- Auxiliary input (0-10V)
- 3x Digital inputs

Outputs

- 2x Relay outputs (programmable functions)
- RS485 communication port

System Capabilities

Booster Set Capacity	8 pumps
Key Features	Soft-Start, Dry-Running Protection, Leakage Monitoring, Anti-seize Function, Constant Pressure

Dimensions

Dimensions (W x H x D)	215mm x 265mm x 219mm