ERO100

COMPACT REVERSE OSMOSIS PLANT CONTROLLER

OVERVIEW

ERO100 controllers are the complete solution to your small RO plant. This controller controls the Raw water pump, High Pressure pump, Dosing Pump and Flushing Solenoid. It also has a built-in conductivity meter. The controller also takes in inputs from key sensors like LP switch, HP switch, Product level switch, and a user defined trip input. The controller also continuously monitors phase voltages, phase currents and imbalances. This ensures that your plant trips for unbalanced voltages or excessive currents. These controllers come in compact 96x96x110mm panel mount enclosure and have builtin relays to drive upto 5HP High pressure pumps.

FEATURES

- Phase-Phase Voltage/Current Monitoring / Trip
- Single Phase Prevention
- 3 Digit LED display with status / timer indication
- LP Switch, HP Switch, Product Low/High and User Trip Inputs
- Built-in Conductivity meter / controller
- Timings programmable at site
- No external contactors required upto 5Hp
- Automates LP, HP, Flushing
- 96x96x110mm Panel mount enclosure

SPECIFICATIONS

Voltage / Frequency	440VAC ±15% or 220V AC (Factory set only) / 50/60 Hz
Power Consumption	Less than 2 Watt
Indicated Parameters	Phase Voltages, Phase Currents, Plant Status, Trip Parameters,
	Time in current State and Conductivity
Alarms	Low Pressure, High Pressure, High/Low Voltage / Current, Product Low/High,
	Conductivity and optional additional 1 digital input
Programming	Using 4 keys in the front panel
Indication Accuracy	± 2% of full scale
Operating / Storage Temperature	0 to 50° C / -40 to 85° C
Humidity	5-90% RH non-condensing
Relay Output / Contact Rating	3 Standard, 6 Maximum / 5A, 220V AC Maximum
Housing	ABS face with MS Powder coated rear
Conductivity	0 to 400 / 0 to 1000 μS/Cm (Factory set only)
Conductivity	3 Phase 10 Amps maximum per phase

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