

ELECTRICAL PANELS FOR SUBMERSIBLE AND SURFACE ELECTRIC PUMPS



Electrical protection and control panel for one electric pump. Manual or automatic operation through pressure switches or floats. The device is fitted with two clamps. The dry running protection is ensured by the pressure switch P MIN. or by the float switch (the intervention stops the electric pump and signals the event through remote contacts and lights). The panel protects the motor against overload and phase failure. Any protection devices that intervene are signalled on the panel itself and remotely through clean contacts. The protection device against overload and phase failure resets automatically three times, and manually after the fourth intervention (any interventions, from 1 to 3, are cancelled one hour after the last intervention).

TECHNICAL DETAILS

- P.MIN = Operation against dry running (controlled through a minimum level float or pressure switch) with automatic reset once the water returns
- PR1 = Electropump n° 1 start and stop control
- Motor protection against overload with automatic reset for three times and manual reset for the fourth time
- Motor line protection against short-circuits with fuses for motor start-up
- Transformer and auxiliary circuit protection with fuses
- Remote signalling, through NC-NA clean contact, of the protection devices that intervene

TECHNICAL DATA

- Power supply 230V + 10-15% 50/60 Hz (single phase)
230V + 10-15% 50/60 Hz (three phase)
- Temperature: from -10°C to +40°C
- Protection degree: IP55
- Reference standards: EN 60204-1, EN 60439-1, EN 61000-6-3, EN 61000-6-1 (for civil environments)

ELECTRIC DATA TABLE

Model Single phase 230V +10-15% - 50Hz	[HP]	[kW]	Nominal curr. [A]	Protection range [A]
1EP 0.37-2.2 M UA	0.55 ÷ 3	0.37 ÷ 2.2	16	3.2 ÷ 16

Electric panels without capacitor. For connection with submersible pump please contact our sales network.

Model Three phase 400V +10-15% - 50Hz	[HP]	[kW]	Nominal curr. [A]	Protection range [A]
1EP 2.2 T	0.55 ÷ 3	0.37 ÷ 2.2	6	3.2 ÷ 16
1EP 7.5 T	4 ÷ 10	3 ÷ 7.5	16	3.2 ÷ 16
1EP 11 SD UA	15	10	25	9 ÷ 15
1EP 15 SD UA	20	15	31	12 ÷ 18
1EP 18.5 SD UA	25	18.5	36	16 ÷ 24
1EP 22 SD UA	30	22	50	23 ÷ 32
1EP 30 SD UA	40	30	62	30 ÷ 40
1EP 37 SD UA	50	37	77	37 ÷ 50