E.S.P. - 50/60 Hz





ELECTRONIC SYSTEM PROTECTION

E.S.P. is a control board for the protection and control of electropumps.

The main feature of this device is the protection of the motor pump from dry running by checking the motor cosphi.

Cosphi and current motor parameters can be manually set by the operator (**MANUAL FUNCTION**), by inserting a minimum Cosphi threshold value and a maximum current value. If these values are exceeded, the device will activate to protect the motor pump.

In addition to manual operation, the *E.S.P.* has an automatic mode (**AUTOMATIC FUNCTION**) with which it can automatically set necessary cosphi and current value to protect the motor pump.

All settings and displays are done through a keyboard and a display.

E.S.P. is available as three-phase and single-phase version: the latter comes with the possibility to insert a capacitor (**not in-cluded**).

E.S.P. is also supplied with a digital auxiliary input device to start or stop the pump. A float, a pressure switch, ..., may be connected to this input.

MAIN FEATURES AND PROTECTIONS

- Protection against dry running and automatic reset
 of protection after 10-20-40-80-(120x10 times)
 minutes
- Electrical protection against motor overload
- Protection against no-phase (three-phase version)
- Protection against over voltage
- Output with cable glands
- IP 55 protection class

SPECIFICATIONS E.S.P. - 50/60Hz

Туре	Approximate Power		Phase	Voltage	Max. Current	Weight	Dimension
	[Hp]	[kW]	Flase	[V]	[A]	[Kg]	[mm]
Sline20	0,5 - 3	0,37 - 2,2	1	230	20	1,8	240 x 190 x 90
Tline10	0,5 - 4	0,37 - 3	3	400	10	1,8	240 x 190 x 90
Tline20	5,5 - 10	4 - 7,5	3	400	20	1,8	240 x 190 x 90
Tline30	12,5 - 15	9,2 - 11	3	400	30	2,4	240 x 190 x 90