

## CONTROL BOX GUARDIAN



Panel with microprocessor for protection and control of motor/single-phase/three-phase pump with direct start up.

The main feature of this new Guardian Evolution series, completely revised, is the protection of the motor/pump against dry running without level probes; motor  $\cos \varphi$  value is controlled by the Guardian. Casing made of shock-proof and self-extinguishing thermoplastic material with two antipull plugs. Main switch. Power supply: single phase 230 V +/- 5%, three phase 400 V +/- 5%. Digital display with status indications. Four models available for powers from 0.5 HP to 15 HP. Protection degree IP54. Starting Capacitor for single phase version. Optoisolated auxiliary contact for control by probes, pressure switch and float switch.

Functional features: ON-OFF switch. Overload protection. Phase failure protection (three-phase version). Overvoltage protection. Short circuit protection. Protection against dry running.

### TECHNICAL DATA

Model	Range	Voltage	I	Dimensions	Weight
			[A]	[mm]	[Kg]
Guardian ME	0,5 HP - 3 HP	230 V	< 18	200x247x93	1,1
Guardian 1E	0,5 HP - 4 HP	400 V	< 10	200x247x93	1,2
Guardian 2E	5,5 HP - 10 HP	400 V	< 20	240x190x90	1,7
Guardian 3E	12,5 HP - 15 HP	400 V	< 32	240x190x90	2,3