

Control panel for sewage and clear water pumping systems



Smart EVO. The evolution of the standard.

LET IT MAKE YOUR JOB!

- > **SWITCHING POWER SUPPLY**
- > **RELAY FOR LEVEL PROBES**
- > **FAILURE OR INCORRECT PHASE SEQUENCE**
with signalling light on frontpanel
- > **MOTOR CLICSON INPUT**
- > **OVERLOAD MAX CURRENT ELECTRONIC CONTROL**
- > **DRY RUNNING MINIMUM CURRENT ELECTRONIC CONTROL**
- > **AUTOMATIC RESTORATION FOR ALARM MINIMUM CURRENT**
- > **PRESSURE SWITCHES, STANDARD AND VARIABLE AXLE FLOAT SWITCHES MANAGING SYSTEM**
- > **AUTOMATIC EXCHANGE SYSTEM IN CASE OF FAULT OF MAIN PUMP**
- > **CURRENT THRESHOLD ASSISTED SETUP**
- > **CURRENT PROTECTION DELAY SETTABLE**
at 5 or 10 seconds
- > **ACTIVATION SYSTEM DELAY SETTABLE**
at 0 or 15 seconds from mains supply return
- > **DIP-SWITCH FOR SELECTING AUTOMATIC OR MANUAL CLICSON RESET**

Technical features

- > Single phase power supply 100-240Vac $\pm 10\%$ 50/60Hz (SMART EVO Mono);
- > Three phase power supply 100-240Vac $\pm 10\%$ 50/60Hz (SMART EVO -Tri);
- > Three phase power supply 310-450Vac $\pm 10\%$ 50/60Hz (SMART EVO -Tri);
- > G/P1 and G/P2 normally open inputs for start-up command;
- > 3 inputs for single-pole level sensors (COM-MIN-MAX);
- > T1 and T2 inputs for motor clicson;
- > Normally open input for alarm activation;
- > AUTOMATIC-0-MANUAL buttons (spring return);
- > DIP-SWITCH selectors for:
 - level alarm enable from sensors,
 - thermal cut-out activation delay 5/10 seconds,
 - alarm output settings,
 - alarm reset enable from motor clicson,
 - Filling/Emptying mode,
 - start/stop float enable,
 - enable of delay on board activation on power mains return,
 - motor switching module enable (on SMART EVO 2);
- > Green led: power ON / failure or incorrect phase sequence;
- > Green leds: automatic mode enabled;
- > Green led: motor active;
- > Red led: level alarm from sensors or GA input;
- > Red leds: motor overload alarm/minimum current alarm;
- > Red leds: motor clicson activation alarm;
- > Electronic control of maximum current due to overload, with assisted calibration;
- > Electronic control of minimum current due to dry run, with assisted calibration;
- > Automatic reset due to minimum current alarm;
- > Protections of auxiliary circuits and motor with fuses;
- > Cumulative alarm output with voltage-free contacts (COM-NO-NC resistive load - 5A / 250V);
- > Cumulative alarm output, live (12Vcc / 100mA);
- > Door lock general disconnect switch;
- > Provision for start-up capacitors, single phase version (not included);
- > Box in ABS, IP55;
- > Ambient temperature: -5/+40 °C;
- > Relative humidity 50% at 40 °C (condensate free).

Smart EVO - Models

CODE	MODEL	VOLTAGE	POWE PER PUMP		MAX CURRENT	DIMENSION (mm)			WEIGHT
		V	KW	Hp	A	h	l	w	Kg
01015	SMART EVO 1 Mono	230	0.37-2.2	0.5-3	18	320	240	190	2,5
01016	SMART EVO 1 Tri/7.5	400	0.55-7.5	0.75-10	16	320	240	190	5,5
01017	SMART EVO 1 Tri/11	400	0.55-11	0.75-15	25	320	240	190	6,0
01018	SMART EVO 1 Tri/15	400	7.5-15	0.75-20	32	320	240	190	6,5

CODE	MODEL	VOLTAGE	POWE PER PUMP		MAX CURRENT	DIMENSION (mm)			WEIGHT
		V	KW	Hp	A	h	l	w	Kg
02015	SMART EVO 2 Mono	230	0.37-2.2	0.5-3	18	320	240	190	2,5
02016	SMART EVO 2 Tri/7.5	400	0.55-7.5	0.75-10	16	320	240	190	5,5
02017	SMART EVO 2 Tri/11	400	0.55-11	0.75-15	25	320	240	190	6,0
02018	SMART EVO 2 Tri/15	400	7.5-15	0.75-20	32	380	300	150	6,5