



One step forward



smart^{evo}

The evolution of the standard

The most complete control panel for sewage and pumping systems ever!



panel division

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



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