

## Electronic control panels

# LEVEL RANGE 0,5÷20HP

### Direct starting electronic control panel 1 motor for clean water

- Single-phase version equipped with power relay for inductive loads (up to 31A)
- Motherboard protection



## GENERAL SPECIFICATIONS

- Operating voltage 230Vac +15/-20% 50/60Hz (SA612.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA615.xx)
- General disconnecting switch with door lock
- Button for automatic -0- manual operation
- Maximum current trimmer
- Timed probe trimmer 1÷240min
- Probe sensitivity trimmer 1÷100kohm
- "POWER" Led light (supply mains)
- Running Led light
- Motor overload Led light
- Motor status Led light
- "EXTERNAL CONTROL" Led light (pressure switch or float switch status)
- "LEVEL" Led light (level status)
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA615.xx)
- External thermoplastic box
- Cable glands
- Protection degree IP65
- Operating temperature -5/+50°C
- Relative humidity 60% at 50°C (not condensed)

## INPUTS / OUTPUTS

- Very low voltage input for level control (3 or 2 timed probes)
- Very low voltage input for pressure switch or float switch

## ADVANTAGES

- Configuration via Dip switch
- Dry running with 3 or 2 timed probes level control
- Adjustable probe sensitivity
- Function Emptyng/Filling
- Operation with pressure switch, float switch and probes

## PROTECTIONS

- Maximum current protection with alarm
- Lack and sequence of phases protection with automatic reset and alarm
- Deactivable minimum and maximum voltage protection with automatic reset and alarm

**SINGLE-PHASE 230Vac +15/-20% 50/60Hz**

CODE	TYPE	POWER		OPERATING CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SA612.00	LEVEL 230	0,37÷2,2	0,5÷3	2÷18	285	245	140	2,2	03

**THREE-PHASE 400Vac +15/-20% 50/60Hz**

CODE	TYPE	POWER		OPERATING CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SA615.02L	LEVEL 400 10	0,37÷7,5	0,5÷10	0,5÷16	285	245	140	2,7	03
SA615.03L	LEVEL 400 15	2,2÷11	3÷15	4÷25	345	285	165	3,3	04
SA615.04L	LEVEL 400 20	7,5÷15	10÷20	16÷32	345	285	165	3,4	04

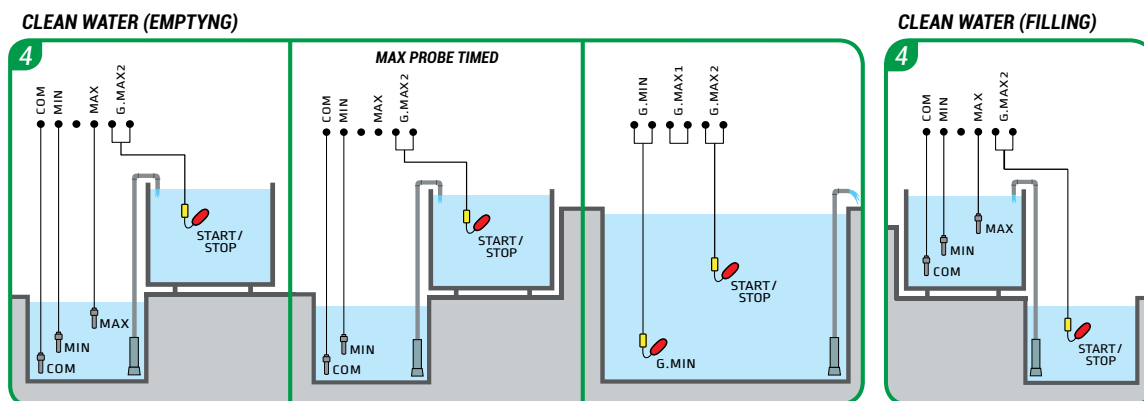
**OPTIONALS**

CODE	TYPE
OP100.01	3 level probes kit
OP100.17/024	Wired 24Vac relay complete with socket
OP100.17/230	Wired 230Vac relay complete with socket
OP100.03/00	Wired circuit breaker for capacitor up to 100µF
OP100.05	Wired single-phase surge arrester type 2
OP100.05/1	Wired three-phase surge arrester type 2
OP00.10	Couple of brackets for collar (reference BOX 03-04)

For more optionals see page 78

**SPARE PARTS**

CODE	TYPE
AC100.20/1/30	Led electronic board 1 pump with flat cable 16pin 30cm
SD612.20/1	Single-phase LEVEL electronic board
SD615.20/1	Three-phase LEVEL electronic board 20A
SD615.30-40/1	Three-phase LEVEL electronic board 30-40A



**COMPONENTS KEY**

- Float switch for clean water
- Level probes