

## Electronic control panels

# LEVEL PLUS

RANGE 0,5÷30HP

Direct starting electronic control panel 1 motor for clean water with display

- Motor's data auto learning
- Events and alarms data logger
- Remote control
- Single-phase version equipped with power relay for inductive loads (up to 31A)
- Motherboard protection



## GENERAL SPECIFICATIONS

- Operating voltage 230Vac +15/-20% 50/60Hz (SA672.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA675.xx)
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA675.xx)
- External thermoplastic box
- Cable glands
- Protection degree IP65
- Operating temperature -5/+50°C
- Relative humidity 60% at 50°C (not condensed)

## ADVANTAGES

- Multilingual Display LCD to visualize:
  - Operating voltage
  - Current
  - Hour counter
  - Level status
  - All information concerning the operation of the motor
- Maximum and minimum motor current autolearning
- Dry running with 3 or 2 timed probes level control and minimum current
- Adjustable probe sensitivity
- Emptyng/Filling function
- Loss of pressure control
- Adjustable supply mains waiting
- Operation with pressure switches, float switches and probes

## INPUTS / OUTPUTS

- Very low voltage input for level control (3 or 2 timed probes)
- N°2 very low voltage inputs for pressure switch or float switches or probes

## PROTECTIONS

- Maximum and minimum current protection with alarm
- Lack and sequence of phases protection with automatic reset and alarm
- 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		
SA672.00	LEVEL PLUS 230	0,37÷2,2	0,5÷3	2÷18	285	245	140	2,3	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		
SA675.02L	LEVEL PLUS 400 10	0,37÷7,5	0,5÷10	0,5÷16	285	245	140	2,8	03
SA675.03L	LEVEL PLUS 400 15	2,2÷11	3÷15	4÷25	345	285	165	3,4	04
SA675.04L	LEVEL PLUS 400 20	7,5÷15	10÷20	16÷32	345	285	165	3,5	04
SA675.05L	LEVEL PLUS 400 22	7,5÷16	10÷22	16÷36	380	300	150	4,9	05
SA675.06L	LEVEL PLUS 400 25	7,5÷18,5	10÷25	16÷45	380	300	210	5,8	06
SA675.07L	LEVEL PLUS 400 30	7,5÷22	10÷30	16÷52	460	380	210	7,1	08

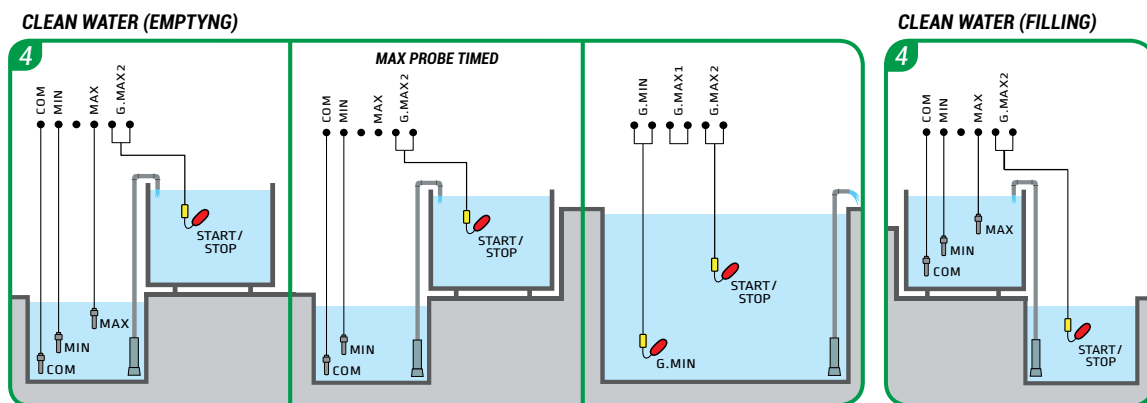
### OPTIONALS

CODE	TYPE
OP100.29/B	On board GPRS expansion
OP100.59/B	On board Ethernet - WiFi expansion
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
AC100.22/1/30	Display electronic board with flat cable 20pin 30cm
SD672.20/1	Single-phase LEVEL PLUS electronic board
SD675.20/1	Three-phase LEVEL PLUS electronic board 20A
SD675.30-40/1	Three-phase LEVEL PLUS electronic board 30-40A
SD675.60/1	Three-phase LEVEL PLUS electronic board 60A



### COMPONENTS KEY

- Float switch for clean water
- Level probes