

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 |

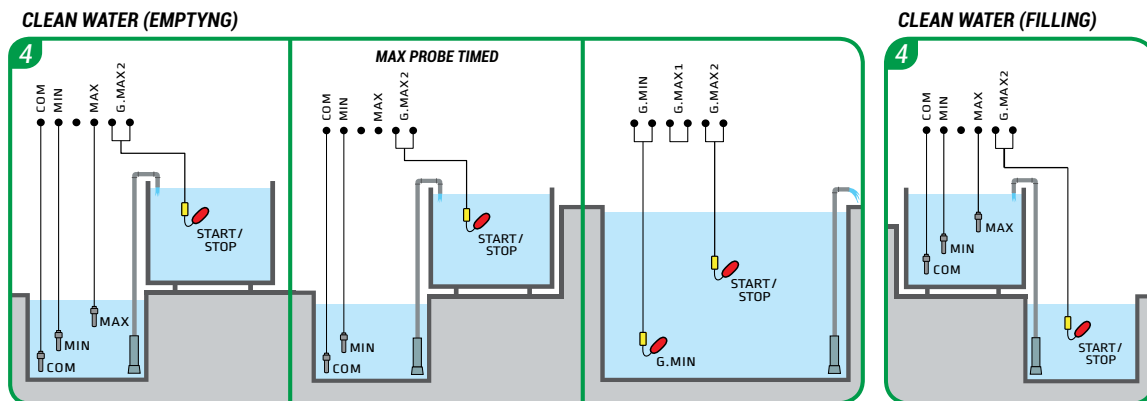
OPTIONALS

| 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