

Electronic control panels

MULTI 1 RANGE 0,5÷20HP

Direct starting electronic control panel 1 motor for clean water and sewage

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



GENERAL SPECIFICATIONS

- Operating voltage 230Vac +15/-20% 50/60Hz (SA664.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA667.xx)
- General disconnecting switch with door lock
- Button for automatic -0- manual operation
- Siren shut-off button
- 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 klixon intervention Led light
- Motor status Led light
- "FUNCTION" Led light (inputs status)
- "ALARM" Led light (level status)
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA667.xx)
- External thermoplastic box
- Cable glands
- Protection degree IP65
- Operating temperature -5/+50°C
- Relative humidity 60% at 50°C (not condensed)

INPUTS / OUTPUTS

- N°4 very low voltage inputs
- Very low voltage input for motor klixon
- N°2 alarm outputs 12Vdc max 200mA for siren and flashing Led lamp
- Alarm output max 5A NC-COM-NO (pure contact)

ADVANTAGES

- Configuration via Dip switch
- Dry running with 3 or 2 timed probes level control
- Adjustable probe sensitivity
- Emptyng/Filling (1 input/2 inputs) function
- Siren shut-off
- Operation with pressure switches, float switches 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
- Motor klixon 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		
SA664.00	MULTI 1 230	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		
SA667.02L	MULTI 1 400 10	0,37±7,5	0,5±10	0,5÷16	285	245	140	2,7	03
SA667.03L	MULTI 1 400 15	2,2±11	3÷15	4÷25	345	285	165	3,3	04
SA667.04L	MULTI 1 400 20	7,5±15	10÷20	16÷32	345	285	165	3,4	04

OPTIONALS

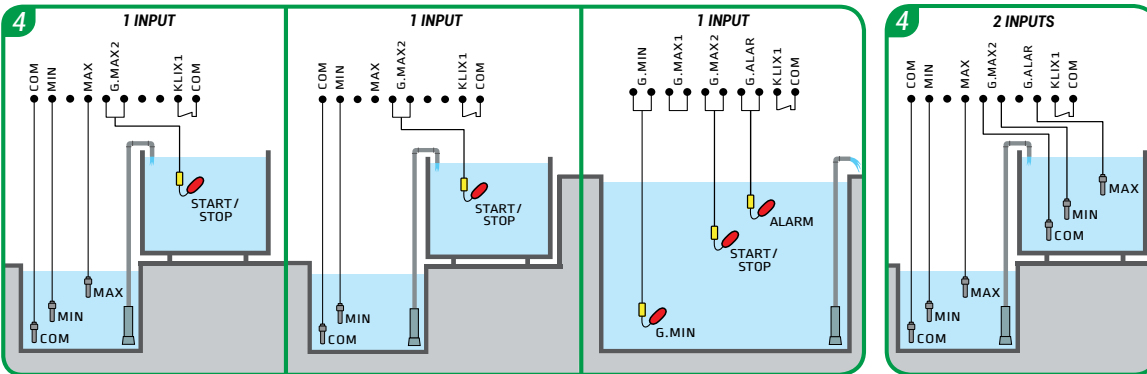
CODE	TYPE
OP100.01	3 level probes kit
OP100.17/024	Wired 24Vac relay complete with socket
OP100.17/230	Wired 230Vac relay complete with socket
OP100.03/00	Electromechanical wired circuit breaker for capacitor up to 100µF
OP100.05	Wired single-phase surge arrester type 2
OP100.05/1	Wired three-phase surge arrester type 2
OP100.13/1/12	Wired siren 12Vdc
OP100.13/2/12L	Wired flashing Led lamp 12Vdc
SS100.00	Visual and acoustic alarm indicator (BASIC ALARM VA 012) see page 20
SS101.01	Visual and acoustic alarm indicator with buffer battery (TOP ALARM VAB 230) see page 19
OP00.10	Couple of brackets for collar (reference BOX 03-04)

For further optionals see page 78

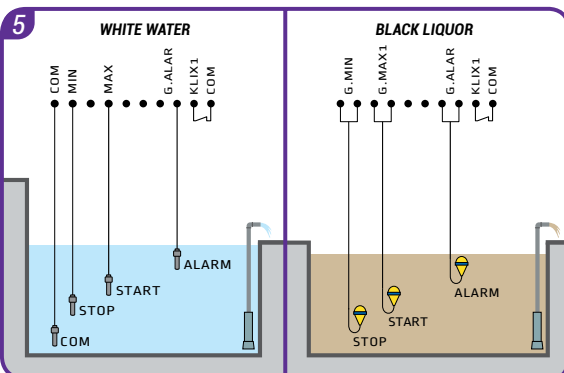
SPARE PARTS

CODE	TYPE
AC100.24/30	Led electronic board 1 pump with siren shut-off button and flat cable 16pin 30cm
SD664.20/1	Single-phase MULTI 1 electronic board
SD667.20/1	Three-phase MULTI 1 electronic board 20A
SD667.30-40/1	Three-phase MULTI 1 electronic board 30-40A

CLEAN WATER



SEWAGE



COMPONENTS KEY

- Float switch for clean water
- Float switch for sewage
- Level probe

The addition of some optionals can imply changes on the size of the control panel. For further details please contact our technical/commercial department.