

Electronic control panels

DUAL MOTOR PLUS RANGE 0,5÷20HP

Direct starting electronic control panel 2 motors for pressure booster 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 (SA633.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA636.xx)
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Auxiliary circuit protection fuse
- Motors' protection fuse
- N°2 contactors (SA636.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 for each motor
 - Hour counter for each motor
 - Pressure switches status
 - Level status
 - System pressure with pressure transducer
 - All information concerning the operation of the motors
- Maximum and minimum current auto learning for each motor
- Adjustable maximum number of starts per hour
- Dry running with level control and minimum current
- Deactivable alternance of the 2 motors
- 3s delay between the starting of the 2 motors
- Automating switching in case of motor failure
- Loss of pressure control
- Adjustable supply mains waiting
- Operation with pressure switches, float switches, probes and pressure transducer

INPUTS / OUTPUTS

- Very low voltage input for start pressure switch
- Very low voltage input for emergency pressure switch
- Input 4-20mA
- N°2 very low voltage inputs for float switches or probes

PROTECTIONS

- Maximum and minimum current protection for each motor 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		
SA633.00	DUAL MOTOR PLUS 230	0,37÷2,2	0,5÷3	2x(2÷18)	285	245	140	2,4	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		
SA636.02L	DUAL MOTOR PLUS 400 10	0,37÷7,5	0,5÷10	2x(0,5÷16)	345	285	165	3,8	04
SA636.03L	DUAL MOTOR PLUS 400 15	2,2÷11	3÷15	2x(4÷25)	380	300	150	5,3	05
SA636.04L	DUAL MOTOR PLUS 400 20	7,5÷15	10÷20	2x(16÷32)	460	380	150	6,6	07

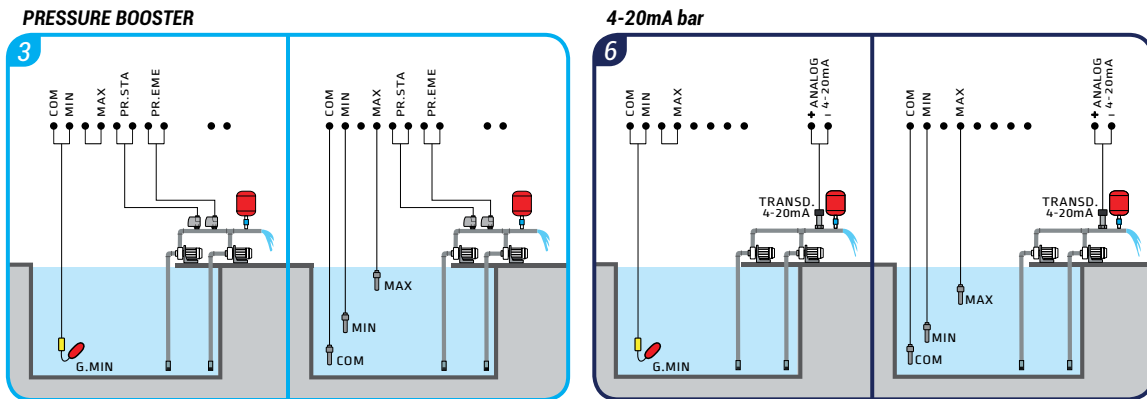
OPTIONALS

CODE	TYPE
OP100.29/B	On board GPRS expansion
OP100.59/B	On board Ethernet - WiFi expansion
OP100.01	3 level probes kit
OP100.05	Wired single-phase surge arrester type 2
OP100.05/1	Wired three-phase surge arrester type 2
AC300.11.10-004.20	Pressure transducer 0-10bar 4-20mA with 4m cable
AC300.11.16-004.20	Pressure transducer 0-16bar 4-20mA with 4m cable
AC300.11.25-004.20	Pressure transducer 0-25bar 4-20mA with 4m cable
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
SD633.20/1	Single-phase DUAL MOTOR PLUS electronic board
SD636.20/1	Three-phase DUAL MOTOR PLUS electronic board 20A
SD636.30-40/1	Three-phase DUAL MOTOR PLUS electronic board 30-40A



COMPONENTS KEY

-  **Float switch for clean water**
-  **Pressure switch**
-  **Level probes**
-  **Pressure transducer 4-20mA**

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