

## Electronic control panels

# THREE MOTORS PLUS RANGE 0,5÷20HP

**Direct starting electronic control panel 3 motors for pressure booster with display**

- Multi application control panel
- Motor's data auto learning
- Events and alarms data logger
- Remote control
- Motherboard protection



## GENERAL SPECIFICATIONS

- Operating voltage 400Vac +15/-20% 50/60Hz
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Auxiliary circuit protection fuse
- Motors' protection fuse
- N°3 contactors
- External thermoplastic box
- Cable glands
- Protection degree IP65
- Operating temperature -5/+40°C

## 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 motor current auto learning
- Dry running control with level control and minimum current
- Deactivable alternance of the 3 motors
- 3s delay between the starting of the 3 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 1 pressure switch
- Very low voltage input for start 2 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

**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		
SA656.02L	THREE MOTORS PLUS 400 10	0,37÷7,5	0,5÷10	3x(0,5÷16)	380	300	150	6,4	05
SA656.03L	THREE MOTORS PLUS 400 15	2,2÷11	3÷15	3x(4÷25)	460	380	150	7,4	07
SA656.04L	THREE MOTORS PLUS 400 20	7,5÷15	10÷20	3x(16÷32)	460	380	150	7,5	07

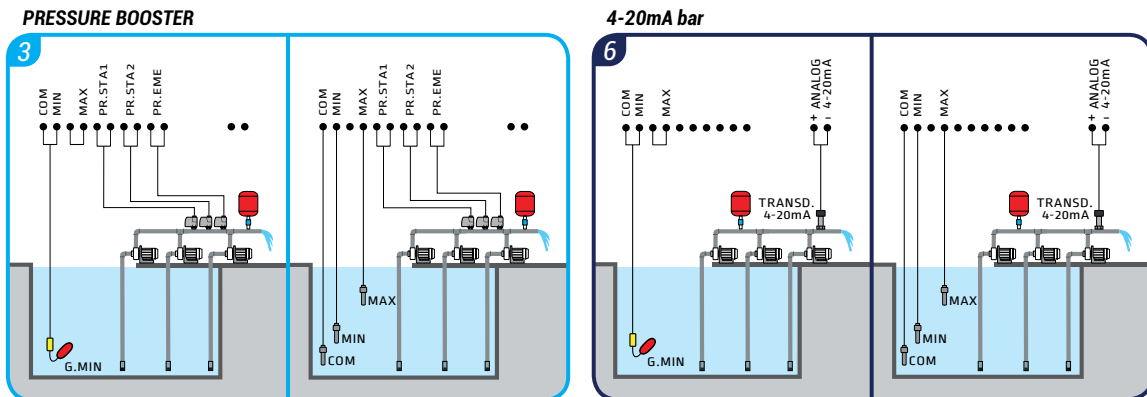
**OPTIONALS**

CODE	TYPE
OP100.29/B	On board GPRS expansion
OP100.59/B	On board Ethernet - WiFi expansion
OP100.01	3 level probes kit
OP100.05/1	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





For more optionals see page 78

**SPARE PARTS**

CODE	TYPE
AC100.22/1/30	Display electronic board with flat cable 20pin 30cm
SD656.20/1	Three-phase THREE MOTORS PLUS electronic board 20A
SD656.30-40/1	Three-phase THREE MOTORS 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.