

Electronic control panels

PRESS CONTROL PLUS 4-20 RANGE 0,5÷30HP

Direct starting electronic control panel 1 motor for pressurization with display and pressure transducer

- Unbalance protection with current on 3 phases
- 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 (SA640.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA650.xx)
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Pressure transducer 0-10bar output 4-20mA
(It is possible to supply pressure transducer of 16 and 25 bar on demand)
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA650.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
 - System pressure with pressure transducer
- All information concerning the operation of the motor
- Maximum and minimum motor current autolearning
- Adjustable maximum number of starts per hour
- Dry running with level control and minimum current
- Loss of pressure control
- Adjustable supply mains waiting
- Operation with pressure switch, float switches and probes

INPUTS / OUTPUTS

- Input 4-20mA
- N°2 very low voltage inputs for float switches or probes

PROTECTIONS

- Maximum and minimum current protection with alarm
- Unbalance protection with current reading on 3 phases and 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		
SA640.00	PRESS CONTROL PLUS 4-20 230	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		
SA650.02L	PRESS CONTROL PLUS 4-20 400 10	0,37÷7,5	0,5÷10	0,5÷16	285	245	140	2,8	03
SA650.03L	PRESS CONTROL PLUS 4-20 400 15	2,2÷11	3÷15	4÷25	345	285	165	3,4	04
SA650.04L	PRESS CONTROL PLUS 4-20 400 20	7,5÷15	10÷20	16÷32	345	285	165	3,5	04
SA650.05L	PRESS CONTROL PLUS 4-20 400 22	7,5÷16	10÷22	16÷36	380	300	150	4,9	05
SA650.06L	PRESS CONTROL PLUS 4-20 400 25	7,5÷18,5	10÷25	16÷45	380	300	210	5,8	06
SA650.07L	PRESS CONTROL PLUS 4-20 400 30	7,5÷22	10÷30	16÷52	460	380	210	7,1	08

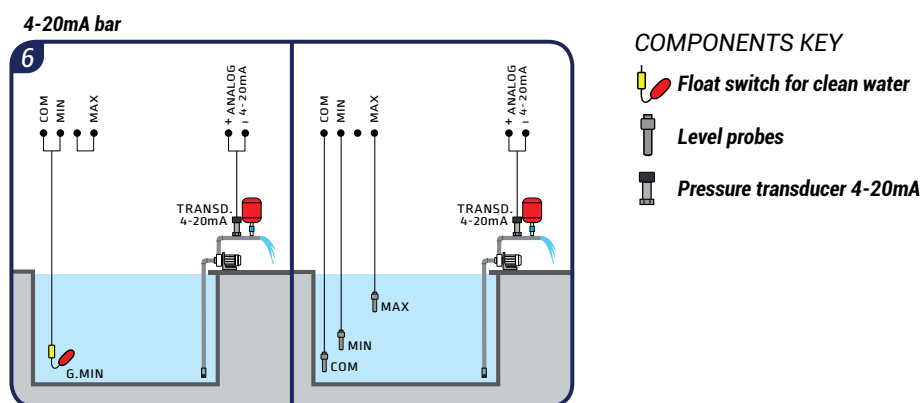
OPTIONALS

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
SD640.20/1	Single-phase PRESS CONTROL PLUS 4-20 electronic board
SD650.20/1	Three-phase PRESS CONTROL PLUS 4-20 electronic board 20A
SD650.30-40/1	Three-phase PRESS CONTROL PLUS 4-20 electronic board 30-40A
SD650.60/1	Three-phase PRESS CONTROL PLUS 4-20 electronic board 60A



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