

## Electronic control panels

# INVERTER PLUS 3 RANGE 1÷30HP

**Inverter starting electronic control panel 3 motors with display and alternance**

- Easy to program
- Programmable set-point
- Anti-clogging system with reverse running
- Digital thermostat
- Events and alarms data logger
- Motors maintenance data logger
- Remote control
- Motherboard protection



## GENERAL SPECIFICATIONS

- Operating voltage 400Vac  $\pm 10\%$  50/60Hz
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation
- Auxiliary circuit protection fuse
- Protection fuse for each inverter
- N°3 inverters
- Forced ventilation with filters
- Extraction tower (from 15Hp)
- Connection terminal board
- External metal box
- Protection degree IP54
- Operating temperature -5/+40°C

## ADVANTAGES

- Multilingual Display LCD to visualize:
  - Frequency for each motor
  - Current for each motor
  - Hour counter for each motor
  - System pressure with pressure transducer
  - Water level in the tank in meters by means of a piezoresistive probe
  - Internal temperature of the control panel
  - All information concerning the operation of the motors
- Anti-clogging system with reverse running at start-up and in case of blockage
- Alternance of the 3 motors
- Automatic switching in case of motor failure
- Up to 4 programmable set-point
- Loss of pressure control
- Adjustable supply mains waiting
- PID operation

## INPUTS / OUTPUTS

- Input 0-10V
- Very low voltage galvanically isolated input for control external
- N°4 very low voltage galvanically isolated inputs for set-point

### THREE-PHASE 400Vac ±10% / OUTPUT 3~400Vac 50/60Hz

CODE	TYPE	POWER		MAX CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SQ724.00	INVERTER PLUS 3 400 1	0,75	1	3x(2,5)	800	600	290	33	80
SQ724.01	INVERTER PLUS 3 400 2	1,5	2	3x(4)	800	600	290	34	80
SQ724.02	INVERTER PLUS 3 400 3	2,2	3	3x(5,5)	800	600	290	36	80
SQ724.03	INVERTER PLUS 3 400 5,5	4	5,5	3x(9)	800	600	290	36	80
SQ724.04	INVERTER PLUS 3 400 7,5	5,5	7,5	3x(12)	1000	800	370	64	103
SQ724.05	INVERTER PLUS 3 400 10	7,5	10	3x(16)	1000	800	370	66	103
SQ724.06	INVERTER PLUS 3 400 15	11	15	3x(24)	1150	800	370	83	103 T
SQ724.07	INVERTER PLUS 3 400 20	15	20	3x(31)	1150	800	370	85	103 T
SQ724.08	INVERTER PLUS 3 400 25	18,5	25	3x(39)	1350	1000	370	118	124 T
SQ724.09	INVERTER PLUS 3 400 30	22	30	3x(45)	1350	1000	370	120	124 T

**N.B.:** When ordering, check the power and the rated current of the motor

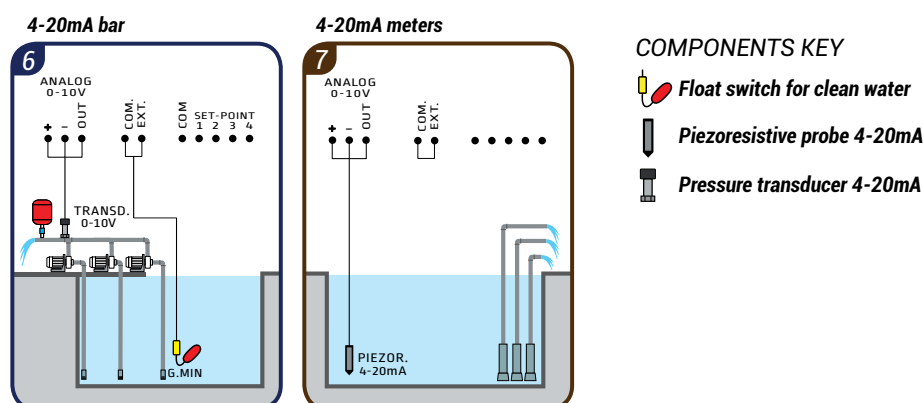
### OPTIONALS

CODE	TYPE
OP100.29/M	Modular GPRS expansion
OP100.49/M	Modular MODBUS RS-485 expansion
OP100.59/M	Modular Ethernet - WiFi expansion
OP100.69/M	Modular BMS expansion up to 3 motors
OP331.230	Wired LEVEL 230Vac control relay
OP100.01	3 level probes kit
OP100.02/7	Wired selector switch 0-1 (set-point)
OP100.17/024	Wired 24Vac relay complete with socket (set-point)
OP200.01	Alarm output 24Vac and pure contact
OP100.05/1	Wired three-phase surge arrester type 2
AC300.13.10-004.20	Pressure transducer 0-10bar 0-10V with 4m cable
AC300.13.16-004.20	Pressure transducer 0-16bar 0-10V with 4m cable
AC300.13.25-004.20	Pressure transducer 0-25bar 0-10V with 4m cable
AC300.21.01-005.31	0-10V piezoresistive probe with 5m cable
AC300.21.01-010.31	0-10V piezoresistive probe with 10m cable
AC300.21.02-010.20	0-10V piezoresistive probe with 10 cable for sewage

For more optionals see page 78

### SPARE PARTS

CODE	TYPE
AC100.22/1/50	Display electronic board with flat cable 20pin 50cm
AC100.22/1/80	Display electronic board with flat cable 20pin 80cm
AC100.22/1/100	Display electronic board with flat cable 20pin 110cm
SD724.024	INVERTER PLUS 3 400 MODBUS-RTU 24Vac electronic board



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