

## Electromechanical control panels

# SOFT START 2 RANGE 3÷125HP

**Soft star starting electromechanical control panel 2 motors with voltmeter and ammeters**

- *Easy to program*
- *Adjustable acceleration and deceleration ramp*



### GENERAL SPECIFICATIONS

- Operating voltage 400Vac  $\pm 10\%$  50/60Hz
- General disconnecting switch with door lock
- N°2 selector switches for automatic -0- manual operation
- N°2 start-stop buttons for manual operation
- N°2 running Led lights
- N°2 overload Led lights
- Analog voltmeter 72x72
- Voltmeter selector switch
- N°2 analog ammeters 72x72
- Auxiliary circuit protection fuse
- Transformer for auxiliary circuit
- Protection fuse for each motor
- N°2 soft start with by-pass contacts
- Forced ventilation complete with filters (from 25Hp)
- Thermostat for fan
- Connection terminal board
- External metal box
- Protection degree IP55
- Operating temperature -5/+40°C

### INPUTS / OUTPUTS

- N°2 very low voltage inputs for pressure switch or float switches (minimum/maximum motor 1 level)
- N°2 very low voltage inputs for pressure switch or float switches (minimum/maximum motor 2 level)

### ADVANTAGES

- Adjustable acceleration and deceleration ramp by trimmer
- Adjustable starting voltage by trimmer

### PROTECTIONS

- Maximum current protection for each motor with phases unbalance
- Protection against lack of phase and missing load

**THREE-PHASE 400Vac ±10% 50/60Hz**

CODE	TYPE	POWER		OPERATING CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SQ712.00	SOFT START 2 400 5,5	2,2÷4	3÷5,5	2x(5÷12,5)	700	500	290	27	71
SQ712.01	SOFT START 2 400 12,5	5,5÷9,2	7,5÷12,5	2x(10÷25)	700	500	290	27	71
SQ712.02	SOFT START 2 400 17,5	11÷13	15÷17,5	2x(17÷32)	700	500	290	27	71
SQ712.03	SOFT START 2 400 20	15	20	2x(23÷38)	700	500	290	27	71
SQ712.04	SOFT START 2 400 25	18,5	25	2x(22,5÷45)	800	600	290	38	80
SQ712.05	SOFT START 2 400 35	22÷26	30÷35	2x(25,5÷63)	800	600	290	38	80
SQ712.06	SOFT START 2 400 40	30	40	2x(34,5÷72)	800	600	290	40	80
SQ712.07	SOFT START 2 400 50	37	50	2x(42,5÷80)	1000	600	370	62	101
SQ712.07/2	SOFT START 2 400 50	37	50	2x(46÷106)	1000	600	370	63	101
SQ712.08	SOFT START 2 400 60	45	60	2x(46÷106)	1000	600	370	65	101
SQ712.09	SOFT START 2 400 70	51,5	70	2x(46÷106)	1000	600	370	66	101
SQ712.10	SOFT START 2 400 80	60	80	2x(59÷134)	1200	800	370	80	122
SQ712.11	SOFT START 2 400 90	66	90	2x(59÷134)	1200	800	370	82	122
SQ712.12	SOFT START 2 400 100	75	100	2x(87÷162)	1200	800	370	84	122
SQ712.13	SOFT START 2 400 125	92	125	2x(130÷230)	1200	800	370	96	122

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

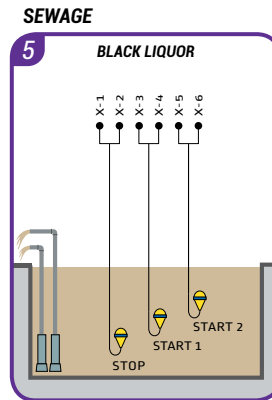
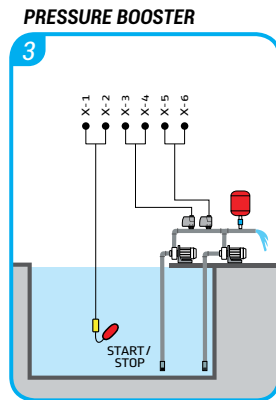
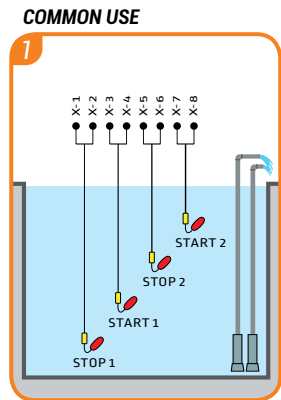
**OPTIONALS**

CODE	TYPE
OP100.04/4	Wired lack, sequence and asymmetry of phases relay
OP100.04/5	Wired lack, sequence and asymmetry of phases relay, minimum and maximum voltage
OP100.05/1	Wired three-phase surge arrester type 2
OP100.15/024	Wired hour counter 24Vac 48x48
OP100.15/110	Wired hour counter 110Vac 48x48
OP100.16/1	Wired analog daily timer 72x72 without reserve
OP100.16/2	Wired analog daily timer 72x72 with reserve
OP100.18	Wired starting delay timer (supply mains waiting)
OP100.19/4	Wired module GSM 4 inputs/4 outputs
OP100.09/2	Wired lithium battery 3,7Vdc 600mAh
OP332.230	Wired 230Vac MULTI 2 control relay for pressure booster and sewage
OP210.01	Wired very low voltage input for motor klixon
OP200.01	Alarm output 24Vac and pure contact
OP100.13/1	Wired siren shut-off button
OP100.13/1/24	Wired siren 24Vac/dc
OP100.13/2/24L	Wired flashing Led lamp 24Vac
SS100.01	Visual and acoustic alarm indicator (BASIC ALARM VA 024) <a href="#">see page 20</a>
SS101.01	Visual and acoustic alarm indicator with buffer battery (TOP ALARM VAB 230) <a href="#">see page 19</a>

For more optionals see page 126

STANDARD CONTROL PANEL

CONTROL PANEL WITH OPTIONAL: **OP332.230**



**COMPONENTS KEY**

- Float switch for clean water**
- Float switch for sewage**
- Pressure switch**