

Electromechanical control panels

SOFT START 1 RANGE 3÷200HP

Soft star starting electromechanical control panel 1 motor with voltmeter and ammeter

- Easy to program
- Adjustable acceleration and deceleration ramp
- Line contactor



GENERAL SPECIFICATIONS

- Operating voltage 400Vac $\pm 10\%$ 50/60Hz
- General disconnecting switch with door lock
- Selector switch for automatic -0- manual operation
- Start-stop button for manual operation
- Running Led light
- Overload Led light
- Analog voltmeter 72x72
- Voltmeter selector switch
- Analog ammeter 72x72
- Auxiliary circuit protection fuse
- Transformer for auxiliary circuit
- Motor protection fuse
- 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

ADVANTAGES

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

INPUTS / OUTPUTS

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

PROTECTIONS

- Maximum current protection 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		
SQ702.CL00	SOFT START 1 400 5,5	2,2÷4	3÷5,5	5÷12,5	500	400	230	17	50
SQ702.CL01	SOFT START 1 400 12,5	5,5÷9,2	7,5÷12,5	10÷25	500	400	230	17	50
SQ702.CL02	SOFT START 1 400 17,5	11÷13	15÷17,5	17÷32	500	400	230	17	50
SQ702.CL03	SOFT START 1 400 20	15	20	23÷38	500	400	230	17	50
SQ702.CL04	SOFT START 1 400 25	18,5	25	22,5÷45	600	400	280	22	61
SQ702.CL05	SOFT START 1 400 35	22÷26	30÷35	25,5÷63	600	400	280	22	61
SQ702.CL06	SOFT START 1 400 40	30	40	34,5÷72	600	400	280	22	61
SQ702.CL07	SOFT START 1 400 50	37	50	42,5÷80	700	500	290	28	71
SQ702.CL07/2	SOFT START 1 400 50	37	50	46÷106	700	500	290	28	71
SQ702.CL08	SOFT START 1 400 60	45	60	46÷106	700	500	290	29	71
SQ702.CL09	SOFT START 1 400 70	51,5	70	46÷106	700	500	290	30	71
SQ702.CL10	SOFT START 1 400 80	60	80	59÷134	1000	600	370	51	101
SQ702.CL11	SOFT START 1 400 90	66	90	59÷134	1000	600	370	54	101
SQ702.CL12	SOFT START 1 400 100	75	100	87÷162	1000	600	370	57	101
SQ702.CL13	SOFT START 1 400 125	92	125	130÷230	1200	800	370	80	122
SQ702.CL14	SOFT START 1 400 150	110	150	130÷230	1200	800	370	84	122
SQ702.CL15	SOFT START 1 400 180	132	180	130÷280	1200	800	370	84	122
SQ702.CL16	SOFT START 1 400 200	150	200	130÷356	1800	800	470	150	185

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
OP100.16/1T	Wired analog daily timer 72x72 without reserve (timed function)
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
OP331.230	Wired LEVEL 230Vac control relay
OP100.01	3 level probes kit
OP100.17/024	Wired 24Vac relay complete with socket
OP210.01	Wired very low voltage input for motor klaxon
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) see page 20
SS101.01	Visual and acoustic alarm indicator with buffer battery (TOP ALARM VAB 230) see page 19

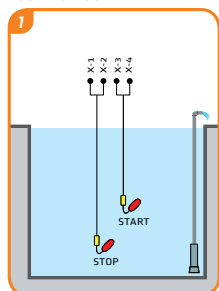
For more optionals see page 126

STANDARD
CONTROL PANEL

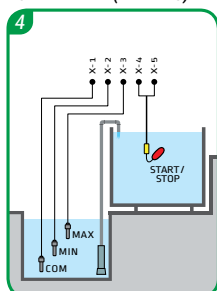
CONTROL PANEL WITH OPTIONAL:
OP331.230

CONTROL PANEL WITH OPTIONAL:
OP200.01

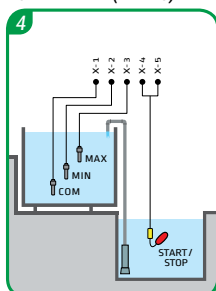
COMMON USE



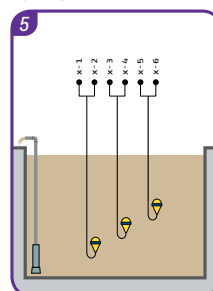
CLEAN WATER (EMPTYING)



CLEAN WATER (FILLING)



SEWAGE



COMPONENTS KEY

- Float switch for clean water
- Float switch for sewage
- Level probes