

## Electromechanical control panels

# STAR DELTA 2 RANGE 7,5÷125HP

Star delta starting electromechanical control panel 2 motors with voltmeter and ammeters



### 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 adjustable star delta timers
- 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°6 contactors
- N°2 thermal relays (internal reset)
- Connection terminal board
- External metal box
- Protection degree IP55
- Operating temperature -5/+40°C

### PROTECTIONS

- Maximum current protection for each motor with alarm

### INPUTS / OUTPUTS

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

**THREE-PHASE 400Vac ±10% 50/60Hz**

CODE	TYPE	POWER		MAX CURRENT [A]	DIMENSIONS mm			WEIGHT Kg	BOX
		kW	Hp		A-H	L-W	P-D		
SQ710.00	STAR DELTA 2 400 7,5	5,5	7,5	2x(14)	600	400	230	22	60
SQ710.01	STAR DELTA 2 400 10	7,5	10	2x(18)	600	400	230	22	60
SQ710.14	STAR DELTA 2 400 12,5	9,2	12,5	2x(21)	600	400	230	22	60
SQ710.02	STAR DELTA 2 400 15	11	15	2x(25)	600	400	230	22	60
SQ710.15	STAR DELTA 2 400 17,5	13	17,5	2x(29)	600	400	230	22	60
SQ710.03	STAR DELTA 2 400 20	15	20	2x(34)	700	500	240	29	70
SQ710.04	STAR DELTA 2 400 25	18,5	25	2x(41)	700	500	240	29	70
SQ710.05	STAR DELTA 2 400 35	22÷26	30÷35	2x(58)	800	600	290	39	80
SQ710.06	STAR DELTA 2 400 40	30	40	2x(66)	800	600	290	39	80
SQ710.07	STAR DELTA 2 400 50	37	50	2x(82)	800	600	290	43	80
SQ710.08	STAR DELTA 2 400 60	45	60	2x(100)	800	600	290	45	80
SQ710.09	STAR DELTA 2 400 75	51,5÷55	70÷75	2x(121)	1000	800	370	66	103
SQ710.10	STAR DELTA 2 400 80	60	80	2x(132)	1000	800	370	68	103
SQ710.11	STAR DELTA 2 400 90	66	90	2x(146)	1200	800	370	74	122
SQ710.12	STAR DELTA 2 400 100	75	100	2x(165)	1200	800	370	78	122
SQ710.13	STAR DELTA 2 400 125	92	125	2x(203)	1200	800	370	85	122

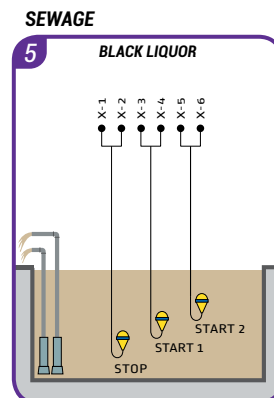
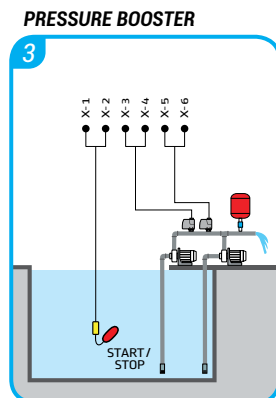
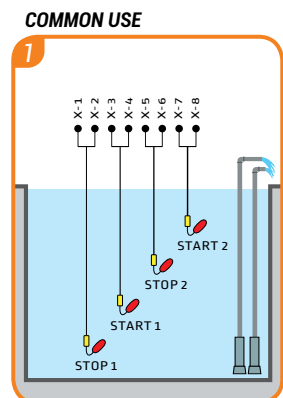
**OPTIONALS**

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**