

# DRY CONTROL PLUS

Electronic control panels

RANGE 0,5÷30HP



*Direct starting electronic control panel 1 motor for the dry running control (cosφ and minimum current) with display*

- UNBALANCE PROTECTION WITH CURRENT READING ON 3 PHASES
- MOTOR'S DATA AUTO LEARNING
- EVENTS AND ALARMS DATA LOGGER
- REMOTE CONTROL



Applications

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## ADVANTAGES

- Multilingual Display LCD to visualize:
  - Operating voltage
  - Current
  - Cosφ
  - Hour counter
  - All information concerning the operation of the motor
- Adjustable supply mains waiting
- Operation with pressure switch, float switches and probes
- Dry running with cosφ and minimum current

## PROTECTIONS

- Maximum and minimum current protection with alarm
- Unbalance protection with reading of 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		
SA604.00	DRY CONTROL PLUS 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		
SA607.02L	DRY CONTROL PLUS 400 10	0,37÷7,5	0,5÷10	0,5÷16	285	245	140	2,8	03
SA607.03L	DRY CONTROL PLUS 400 15	2,2÷11	3÷15	4÷25	345	285	165	3,4	04
SA607.04L	DRY CONTROL PLUS 400 20	7,5÷15	10÷20	16÷32	345	285	165	3,5	04
SA607.05L	DRY CONTROL PLUS 400 22	7,5÷16	10÷22	16÷36	380	300	150	4,9	05
SA607.06L	DRY CONTROL PLUS 400 25	7,5÷18,5	10÷25	16÷45	380	300	210	5,8	06
SA607.07L	DRY CONTROL PLUS 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
OP100.39/B	On board Ethernet expansion
OP100.59/B	* On board Ethernet - WiFi - RS-485 expansion
OP100.05	Wired single-phase surge arrester type 2
OP100.05/1	Wired three-phase surge arrester type 2
OP200.00	Alarm output 12Vdc 200mA and pure contact
OP100.13/1/12	Wired siren 12Vdc
OP100.13/2/12L	Wired flashing Led lamp 12Vdc
SS100.00	Visual and acoustic alarm indicator (BASIC ALARM VA 012) <b>see page 20</b>
OP00.10	Couple of brackets for collar (reference BOX 03-04)
OP03.30/40.00	Metal box 400x300x150mm with wall brackets (reference BOX 03)
OP04.30/40.00	Metal box 400x300x150mm with wall brackets (reference BOX 04)
OP05.31/40.00	Metal box 400x300x150mm with wall brackets (reference BOX 05)
OP06.31/41.00	Metal box 400x300x200mm with wall brackets (reference BOX 06)
OP08.31/50.00	Metal box 500x400x200mm with wall brackets (reference BOX 08)

For more optional see page 80

**SPARE PARTS**

CODE	TYPE
AC100.22/1/30	Display electronic board with flat cable 20pin 30cm
SD604.20/1	Single-phase DRY CONTROL PLUS electronic board
SD607.20/1	Three-phase DRY CONTROL PLUS electronic board 20A
SD607.30-40/1	Three-phase DRY CONTROL PLUS electronic board 30-40A
SD607.60/1	Three-phase DRY CONTROL PLUS electronic board 60A

**GENERAL SPECIFICATIONS**

- Operating voltage 230Vac +15/-20% 50/60Hz (SA604.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA607.xx)
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA607.xx)
- External thermoplastic box
- Cable glands
- Protection degree IP65
- Operating temperature -5/+50°C
- Relative humidity 60% at 50°C (not condensed)

**INPUTS / OUTPUTS**

- N°2 very low voltage inputs for pressure switch or float switches or probes

\* Available from September 2020

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