

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

2



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) see page 20 |
| 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.