

MULTIPLUS 1

RANGE 0,5÷20HP

Electronic control panels



*Direct starting electronic control panel
1 motor for clean water and sewage with
display*

- MULTI APPLICATION CONTROL PANEL
- MOTOR'S DATA AUTO LEARNING
- EVENTS AND ALARMS DATA LOGGER
- REMOTE CONTROL



Applications



ADVANTAGES

- Multilingual Display LCD to visualize:
 - Operating voltage
 - Current
 - Cosφ
 - Hour counter
 - Level status with probes
 - System pressure with pressure transducer
 - Tank level in meters with piezoresistive probe
 - All information concerning the operation of the motor
- Adjustable mains reentry waiting
- Operation with pressure switches, float switches, probes, pressure transducer and piezoresistive probe 4-20mA
- Dry running with 3 or 2 timed probes level control, cosφ and minimum current
- Loss of pressure control
- Minimum and maximum current protection with alarm
- Lack and sequence of phases protection with automatic reset and alarm
- Minimum and maximum voltage protection with automatic reset and alarm
- Motor Klixon protection with automatic reset and alarm
- Siren shut-off

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		
SA684.00	MULTIPLUS 1 230	0,37±2,2	0,5±3	2÷18	285	245	140	2,2	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		
SA687.02	MULTIPLUS 1 400 10	0,37±7,5	0,5±10	0,5±16	285	245	140	2,7	03
SA687.03	MULTIPLUS 1 400 15	2,2±11	3±15	4±25	345	285	165	3,3	04
SA687.04	MULTIPLUS 1 400 20	7,5±15	10±20	16±32	345	285	165	3,3	04

OPTIONALS

CODE	TYPE
OP100.29/B	On board GPRS expansion
OP100.39/B	On board Ethernet expansion*
OP100.09/1	GSM/GPRS antenna with magnetic base and 3m cable
OP100.13/1/12	Wired siren 12Vac/dc
OP100.13/2/12L	Wired flashing Led lamp 12Vac/dc
AC300.11.10-004.20	Pressure transducer 0-10bar 4-20mA with 4m cable
AC300.11.16-004.20	Pressure transducer 0-16bar 4-20mA with 4m cable
AC300.11.25-004.20	Pressure transducer 0-25bar 4-20mA with 4m cable
AC300.20.01-005.20	Piezoresistive probe 4-20mA with 5m cable
AC300.20.01-010.20	Piezoresistive probe 4-20mA with 10m cable
AC300.20.02-010.20	Piezoresistive probe 4-20mA with 10m cable for sewage
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)

For more optionals see page 54

SPARE PARTS

CODE	TYPE
AC100.22/1/30	Display electronic board with flat cable 20pin 30cm
SD684.20/1	Single-phase MULTIPLUS 1 electronic board
SD687.20/1	Three-phase MULTIPLUS 1 electronic board 20A
SD687.30-40/1	Three-phase MULTIPLUS 1 electronic board 30-40A

GENERAL SPECIFICATIONS

- Operating voltage 230Vac +15/-20% 50/60Hz (SA684.xx)
- Operating voltage 400Vac +15/-20% 50/60Hz (SA687.xx)
- General disconnecting switch with door lock
- Button for automatic operation
- Button for manual operation (stable/unstable)
- Siren shut-off button
- Auxiliary circuit protection fuse
- Motor protection fuse
- Contactor (SA687.xx)
- External thermoplastic box IP55
- Cable glands
- Operating temperature -5/+40°C

INPUTS / OUTPUTS

- N°4 very low voltage inputs
- Input 4-20mA
- Very low voltage input for motor klixon
- N°2 alarm outputs 12Vdc max 200mA for siren and flashing Led lamp
- Alarm output max 5A NC-COM-NO (pure contact)

*Available from March 2019

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