

There are 9 things to be done to save our planet. With our GUARDIAN electrical panel we have succeeded in doing one of these **by reducing electricity consumption.**

Electrical panel designed for the future, significantly reducing environmental emission

DISTANCE IS NOT AN ISSUE FOR US

A NEW TECHNOLOGY TO SAFELY CONTROL THE LEVEL OF SEWERAGE, WITH THE POSSIBILITY OF RECEIVING ALARMS GENERATED BY THE ELECTRICAL PANEL DIRECTLY TO ANY SMARTPHONE.

ELECTRIC CONTROL PANEL TYPE **GUARDIAN M** BUILT MICROPROCESSOR, WITH AMPEROMETRIC PROTECTION, TO CONTROL A DRAINAGE RAINWATER OR SEWER WATER MONOPHASE ELECTRIC PUMP

Electric control
panels of the
third generation

The electric control panel type **GUARDIAN-M** to microprocessor is constructed in order to command and protect in an intelligent way submerged monophasic drainage electric pumps. In addition there is also the possibility to visualise on the display all the parameters of the pump. The functions of the electrical control panel are :empty a tank full of clear water or sewer water through an electronic level sensor or through a float switch.

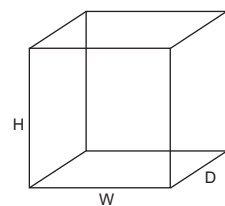
The level sensor is not in contact with water, this is to avoid any explosions due to the gas that forms in the biology tank.

Electrical panel designed for the future, significantly reducing environmental emission, at rest only 0,3 W/h.

THE ELECTRICAL CONTROL PANEL COMPRISES:

- Box in plastic material IP 55
- Card mother in glass-reinforced plastic
- Line switch
- Motor fuse block
- Fuse block with fuses for auxiliary
- S.M.P.S Input 100-240 Vac 50/60 Hz.
- RS-485 interface IC for modbus serial communication
- Amperometric transformer (ammeter)
- Voltmeter (transformer)
- Power relè for pump command
- Selector AUT-0-MAN
- Pump Button ON
- Pump Button OFF
- Buzzer to sound any alarm
- Led line, white
- Led march pump, green
- Led generic alarms, red
- OLED display 16x2 characters
- Push-buttons membrane to organize the data
- Frontal card of the electrical control panel for data processing
- Terminal block for the signals/commands
- Terminal block for the pump
- Cable glands

OPTIONALL:
Possibility to mount
GSM and/or Bluetooth



Dime of implantation
H= 194mm W=140mm

USE CONDITIONS

- Degree of protection : IP55
- Field of operation : -15°C + 40°C

CODE	CONTROL PANEL TYPE	MAX. POWER TO 230V. MONOPHASE		MAX. CURRENT (ADJUSTABLE)	DIMENSIONS IN mm.			WEIGHT
		KW	HP		A	H	W	
700320	GMD 50-200	1,5	2	0÷25A	259	195	120	2,5
700321	GMD 300	2,2	3	0÷25A	259	195	120	2,5

ELECTRIC CONTROL PANEL TYPE **GUARDIAN T** BUILT MICROPROCESSOR, WITH AMPEROMETRIC PROTECTION, TO CONTROL A DRAINAGE RAINWATER OR SEWER WATER THREE-PHASE ELECTRIC PUMP

Electric control
panels of the
third generation

The electric control panel type **GUARDIAN-T** to microprocessor is constructed in order to command and protect in an intelligent way submerged three-phase drainage electric pumps. In addition there is also the possibility to visualise on the display all the parameters of the pump. The functions of the electrical control panel are :empty a tank full of clear water or sewer water through an electronic level sensor our through a float switch.

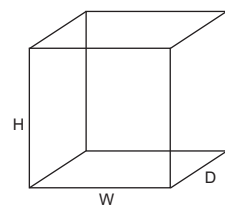
The level sensor is not in contact with water, this is to avoid any explosions due to the gas that forms in teh biology tank.

Electrical panel designed for the future, significantly reducing environmetal emission, at rest only 0,3 W/h.

THE ELECTRICAL CONTROL PANEL COMPRISES:

- Box in plastic material IP 55
- Card mother in glass-reinforced plastic
- Line switch
- Motor fuse block
- Fuse block with fuses for auxiliary
- S.M.P.S Input 300-480 Vac 50/60 Hz.
- RS-485 interface IC for modbus serial communication
- Amperometric transformer (ammeter)
- Voltmeter (transformer)
- Power relè for pump command
- Selector AUT-0-MA
- Pump Button ON
- Pump Button OFF
- Buzzer to sound any alarm
- Led line, white
- Led march pump, green
- Led generic alarms, red
- OLED display 16x2 characters
- Push-buttons membrane to organize the data
- Frontal card of the electrical control panel for data processing
- Terminal block
- Terminal block for the pump
- Cable glands

OPTIONALL:
Possibility to mount
GSM and/or Bluetooth



Dime of implantation
H= 194mm W=140mm

USE CONDITIONS

- Degree of protection : IP55
- Field of operation : -15°C + 40°C

CODE	CONTROL PANEL TYPE	MAX. POWER TO 400V THREE-PHASE		MAX. CURRENT(ADJUSTABLE)	DIMENSIONS IN mm.			WEIGHT
		KW	HP		A	H	W	
700322	GT 50÷400	3	4	0÷25A	259	195	120	2,5
700323	GT 550÷750	5,5	7,5	0÷25A	259	195	120	2,5
700324	GT 1000	7,5	10	0÷25A	259	195	120	2,7