

# PANELMATIC

Modular electronic panels, intended for the control and protection of 1 or 2 electric pumps.

**Panelmatic** range includes a series of electronic panels for the control and protection of an individual pump or groups of two pumps, three-phase or single-phase supplied.

All of them integrate protections against dry-run operation, overcurrent or fast-cycling. Is included an user-friendly interface with 3-digit display and an integrated circuit breaker.

Its modular concept, makes suitable an expansion of features or parts replacement.

This family of electronic panels adopts the philosophy of ease configuration for the end user, previously applied to our inverters. By mean of 5 predefined operating modes can be managed whatever application of pressurization, drainage, filling or irrigation. Control elements connection - probes, pressure switches, transducers or level switches - is simple and intuitive.



**Panelmatic Easy M - Panelmatic Uno M - Panelmatic Duo M**  
**Panelmatic Easy T - Panelmatic Uno T - Panelmatic Duo T**

## OPERATING CHARACTERISTICS

- Models for one pump (**Easy/Uno**) or two pumps (**Duo**), single-phase supplied (**M**) o 3-phase supplied (**T**).
- **Easy** type has 2 inputs for the control elements, only contacts (pressure switch or float switch).
- Types **Uno** and **Duo** have 4 inputs for control elements, an additional input for a pressure transducer (4-20 mA) and a relay output for alarm monitoring.
- The logic of the contacts (nc/no) can be reversed from de configuration menu.
- 5 operating modes covering all possible applications: **sequential**, **cascade**, **transducer**, **timer** and **transfer**.
- **Duo** models can operate in **duty-assist** and **duty-standby**, can be set the alternation time.
- User-friendly control panel with 3-digit display showing operational parameters, LED light indicators and push buttons.
- Pump protection by instantaneous reading of maximum power consumed - *overcurrent* - and minimum - *dry running*.
- Voltage instantaneous measuring with maximum and minimum protection.
- Fast-cycling alarm in pressurization applications: when the hydropneumatic tank has lost too much air and, consequently, there are frequent starts and stops, this alarm is activated.
- **Automatic reset system** after any alarm.
- **Register of operational parameters**. Information about: operating hours, counter of starts, counter of connections to the power supply.
- **Register of alarms**. Information about type and number of alarms.
- Integrated MCB.
- Reserved location for the single-phase pumps capacitor.
- Protection degree IP65.

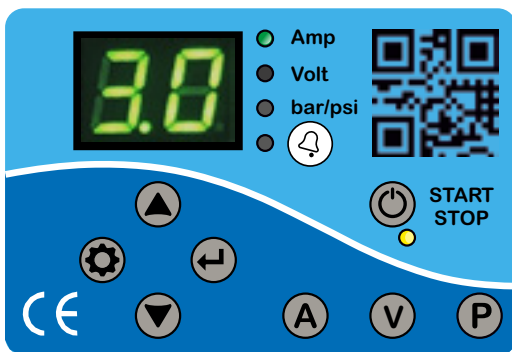


Low Voltage Directive 2014/35/EC  
Electromagnetic Compatibility 2014/30/EC  
RoHS 2011/65/EC + 2015/863/EC

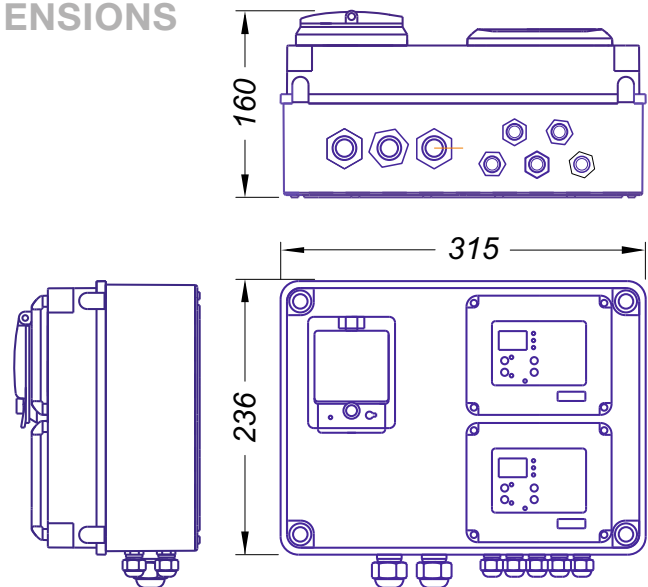
## TECHNICAL CHARACTERISTICS

Panelmatic Series	Model	N° of pumps	Power supply	Pump connection	Assembly
	Panelmatic <b>Uno M / Easy M</b>	1	~1x110-230 V	~1x110-230 V (16 A)	Mural
	Panelmatic <b>Duo M</b>	2	~1x110-230 V	~1x110-230 V (16 A)	Mural
	Panelmatic <b>Uno T / Easy T</b>	1	~3 x 230-400 Vac	~3 x 230-400 V (10 A)	Mural
	Panelmatic <b>Duo T</b>	2	~3 x 230-400 Vac	~3 x 230-400 V (10 A)	Mural

## USERS INTERFACE



## DIMENSIONS



## INSTALLATION

