



Il successo del vostro progetto è nell'aria...

PTec

CONTROLLER FOR EC FANS AND INVERTER

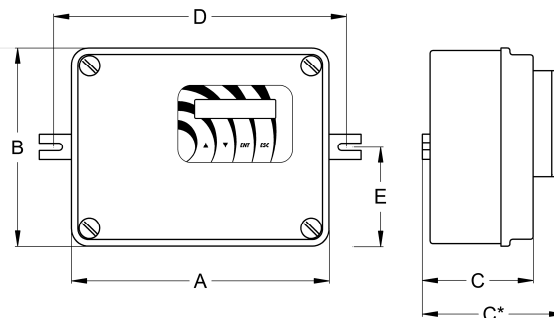
The PTEC electronic controller is normally used to control the speed of EC fans or pumps equipped with inverter. PTEC operates on the basis of the inputs received through the measurements, the settings of the parameters values, the I/O controlling. The control panel with lcd display is used to set the parameters values and read the information about the inputs and outputs with a simple, clear and guided software. From the control panel it is also possible to choose the language (English, Italian, Spanish, French, German, Russian) and load the controller with a preset setup file. In the most complete configuration it can provide two control signals which can vary upon work cycles (set point) independent. PTEC has two ModbusRTU channels transmission to communicate both with a supervision remote device, both for control a slave system of one or more loads.

The standard series provide the following characteristics:

- Power supply 230/400Vac 50-60Hz,
- Operating temperature: -25/55°C (-25°C with Oled display, -20°C with lcd display with IP55 grade; storage temperature -40/80°C,
- 1 analog input 4..20mA / 0.5..4.5V / NTC for direct command from pressure sensor or temperature NTC sensor,
- Digital inputs of: start/stop, ext. emergency, reduced speed, direct/reverse function
- 1 output 0..10V,
- Auxiliary output +12V and +5V to supply the sensor,
- 1 configurable relay: alarm (over-temperature inside, lost sensor), pressure reached, adiabatic cycle,
- Slave ModbusRTU transmission.
- Standards : EN60730-1, EN61000-6-2, EN61000-6-3.

PTec can be request also with:

- Internal clock weekly to control the reduced speed, and for a more precise diagnosis
- Oled display for a perfect parameters reading/editing also with a very low temperature,
- Door for control panel protection,
- Master ModbusRTU transmission.



Weight (kg)	Dimensions (mm)				Fix. Screws(mm)			
	A	B	C	C*	D	E	F	Ø
1,1	200	154	86	115	220	77	/	M4

C* = with polycarbonate operable window.

PTec performance can be enhanced with the additional S1 card for the following I/O:

- Analog input 4..20mA / 0.5..4.5V / NTC for direct command from pressure sensor or temperature NTC sensor,
- Analog input NTC for ambient temperature,
- Config. output 0..10V,
- 2 configurable relays

