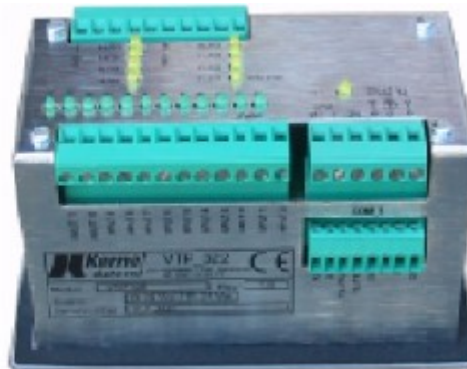




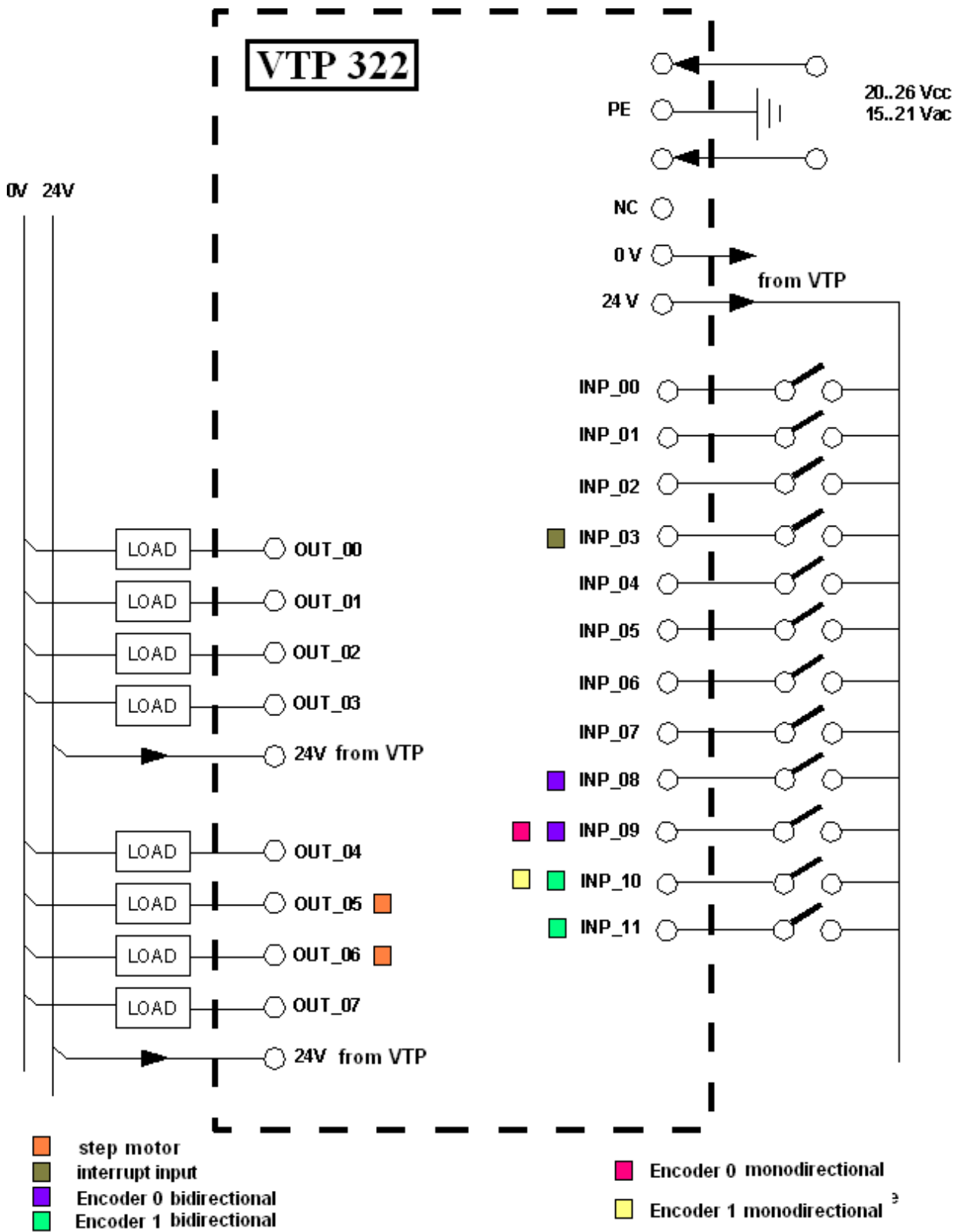
VTP 322



Operator panel with integrated PLC

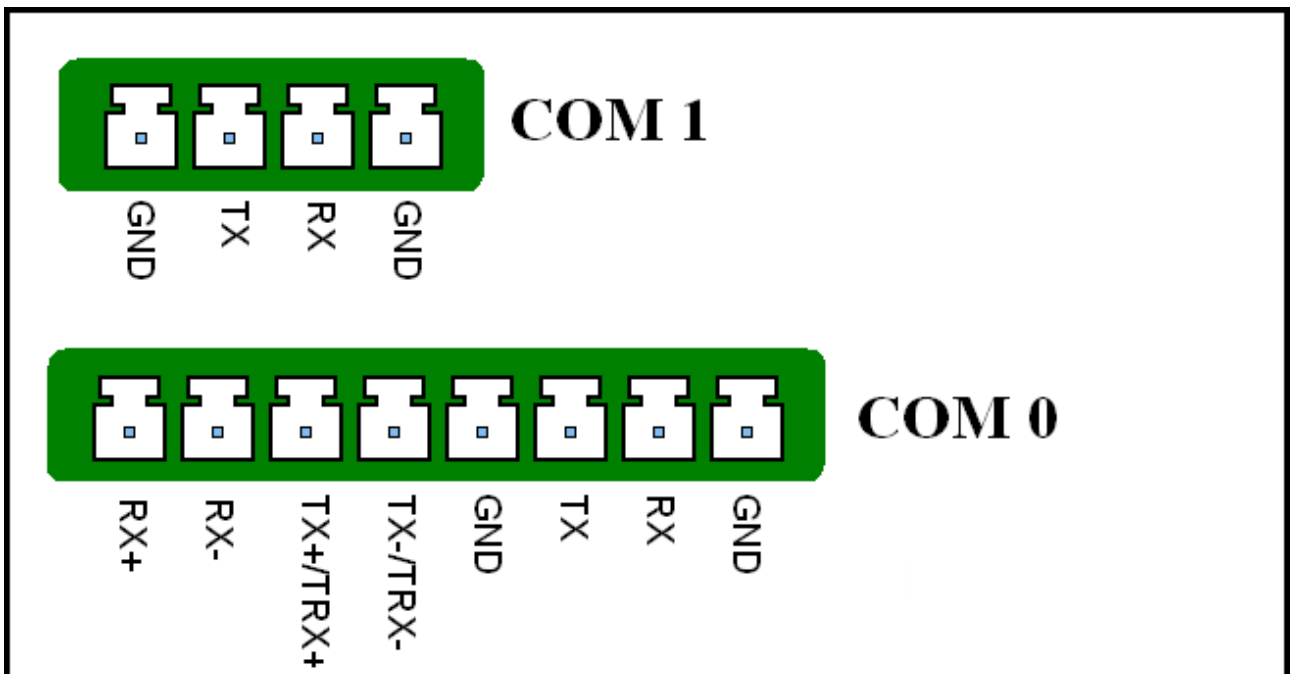
- Compact dimension
- High speed (2msec. standard cycle time)
- Contact programming with Ladder language
- Function for Recipe management , P.I.D. Regulator , Print etc ...

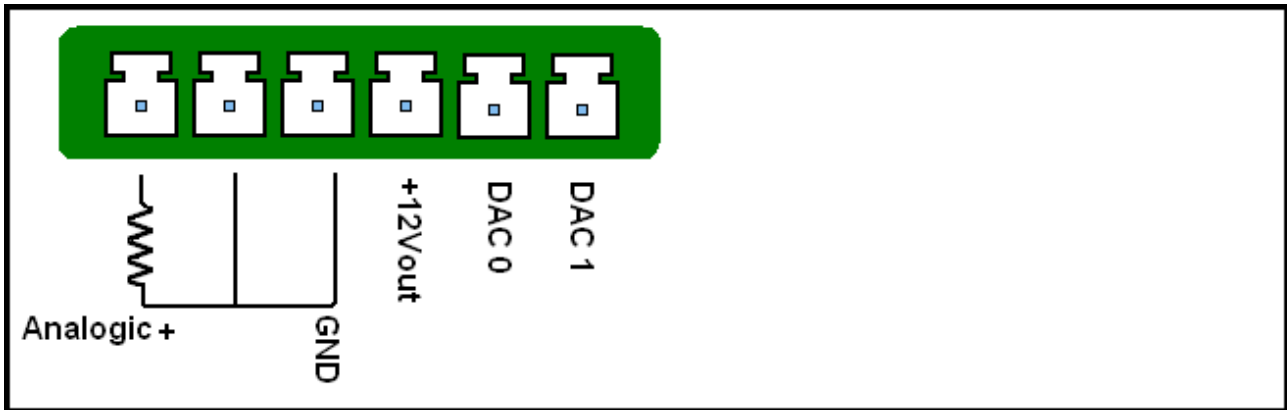
ELECTRIC CHARACTERISTICS	
Power supply voltage	Min 20Vcc ; Max 26 Vcc Min 15 Vac ; Max 21 Vac
Current Consumption	Under 100mA without loads
Microprocessor	Hitachi H8S/2145B @ 20MHz
Program Memory	32 KB
Pages Memory	32 KB
E²PROM	64 KB
Cycle Time	Programmable (minimum 1 msec.)
Digital Inputs	12 digital inputs PNP at 24 Volts of which 4 fast input (2KHz for encoder reading) with programmable anti-noise filter (value 1...16)
Analog Inputs	1 analogic inputs with 10 bit resolution [0...1023] for PT100 , termocouple , voltage or current .





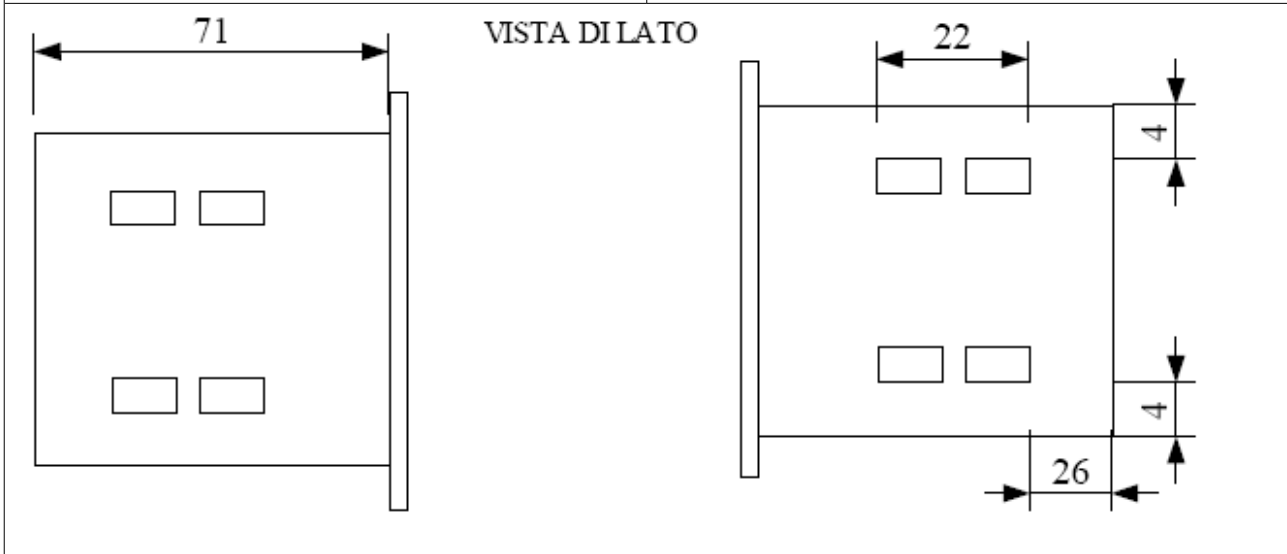
ELECTRIC CHARACTERISTICS	
Digital Outputs	8 PNP static outputs 24V and 500mA
Analog Outputs	2 analog outputs 0...10V 10 bits resolution [0...255]
Current analog input Impedance	250 Ω
Voltage analog input Impedance	10 KΩ
Plugged RAM	79 words any 100 msec automatically copy into plugged RAM (for a term of 1 year)
RTC	Extern real time clock with plugged calendar and clock with rechargeable battery . (for a term of 1 year)
Serial Lines	<p>2 serial lines (COM 0 , COM 1) .</p> <p>COM 0 : It could be used in RS232 , RS485 or RS422 with many different standard communication protocols for connect other devices (I/O expansions , termoregulators , inverters or network connection) .</p> <p>COM 1 : It is RS232 mode and it's use like COM0 , besides for upload applications or operative system .</p>

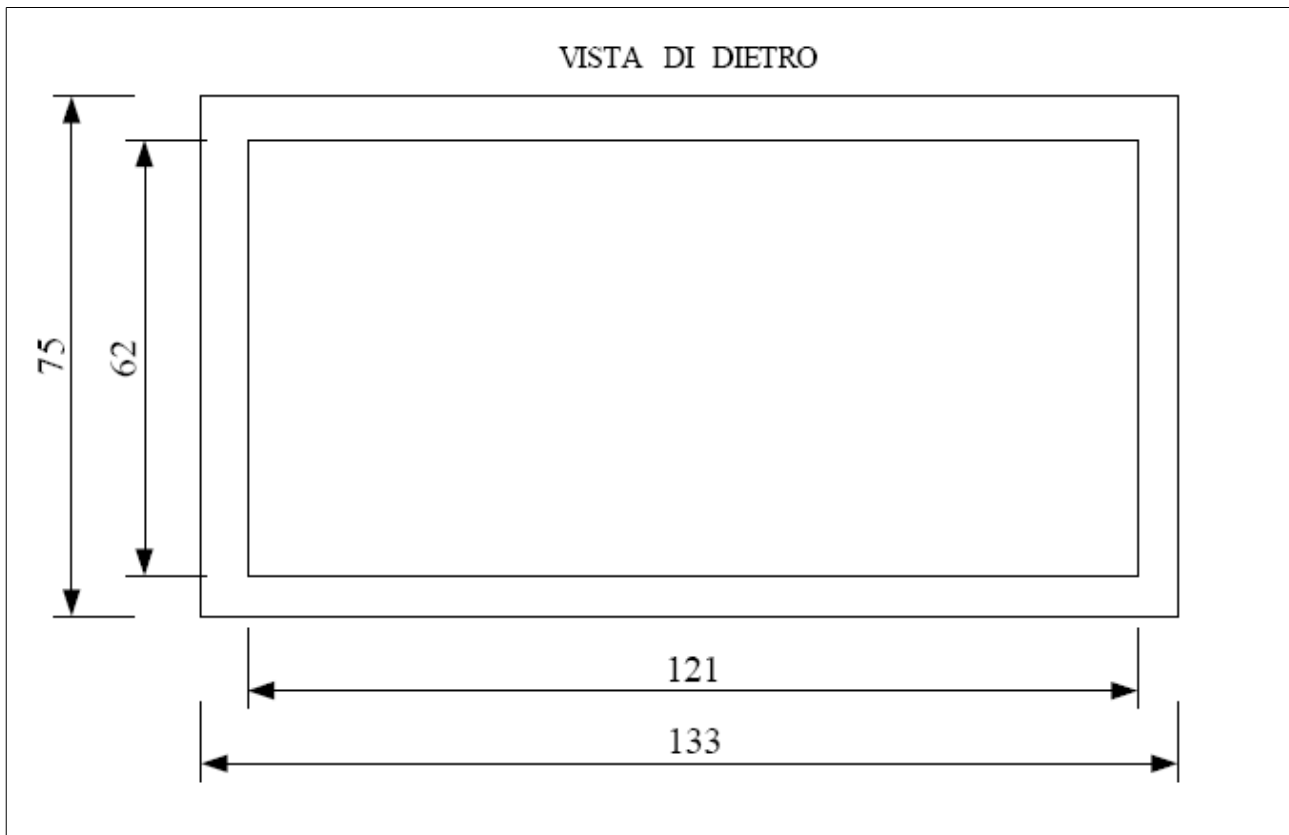




MECHANICS CHARACTERISTICS

Humidity Range	from 10 to 90% (non-condensing)
Temperature Range	from -10 °C to +70 °C
Operating Atmosphere	Without corrosive gas
Noise Immunity	According to rules in force
Fixing System	Fixing Bracket
Weight	570 gr
Keyboard	Membrane keyboard on anodized aluminium front part with 5 function buttons (from F1 to F5) and 7 dedicated buttons .
Display	Alphanumeric display 16 characters on 2 rows , with led's backlight . Five leds on function buttons and one alarm led . On demand available also cyrilic display .
Size	Front view 133x74 mm , Depth 63 mm





SOFTWARE CHARACTERISTICS	
Programming Languages	AWL / Ladder
Timers	64 timers with 16 bits and resolution 1/100 sec . 32 configurable timers one by one like excitation delay or disexcitation delay and 32 only excitation timers . 8 timers free running with 1 msec resolution enabled one by one with system flag .
Counters	32 counters with 16 bits configurable one by one like incremental or decremental .
Data Memory	1024
Developed Functions	<ul style="list-style-type: none"> • Week Programming • Recipe Management • Forwarding/Reception SMS Messages • Encoders Management • P.I.D. Temperature's Regulator
Memory area check in real time mode on data table (Debug)	•

Ladder's subroutines Import/Export	•
Contact and variable check in real time mode on ladder (Debug Online)	•