

WIRING PLAN



DB25		DB9		ALIMENTAZIONE SUPPLY	
<input type="checkbox"/> RS422/485	<input type="checkbox"/> RS232C	<input type="checkbox"/> RS485		<input type="checkbox"/> 1 ALARM + V	
<input type="checkbox"/> 14 0V	<input type="checkbox"/> 7 0V	<input type="checkbox"/> 5 0V		<input type="checkbox"/> 2 0V	12 ÷ 24
<input type="checkbox"/> 18 RX -	<input type="checkbox"/> 12 TX232	<input type="checkbox"/> 4 RS485+		<input type="checkbox"/> 3 +V	Vac/dc
<input type="checkbox"/> 17 RX +	<input type="checkbox"/> 11 RX232	<input type="checkbox"/> 9 RS485-			10VA
<input type="checkbox"/> 16 TX -/RX -					
<input type="checkbox"/> 15 TX+/RX+					

ATR313

Graphic terminal / Process controller 20cycles / 30 steps

Main features

Box	251x146 (front panel) x 66 mm
Power supply	12..24Vac/Vcc ±10% 50/60 Hz
Consumption	10W
Display	Graphic LCD 240x128, monochrome, Reverse option, programmable contrast and backlighting operation
Operating conditions	Temperature 0-45 °C, Humidity 35..95 RH%
Material	Box: chromed steel; front frame: ABS; Keyboard: polycarbonate
Weight	Approx. 1350 gr
Sealing	IP65 (Front panel), IP20 (Box and Terminal bloks)
Memory Card	Upload/download parameters and cycles, Firmware upgrade

Inputs

Analogue-digital inputs	See PL300
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Outputs

Analogue/digital outputs	See PL300
Serial communication	RS485 Modbus RTU - Master, RS232, RS422

Software features

Control algorithms	ON - OFF with hysteresis, P, P.I., P.I.D., P.D. time proportioned
Data protection	Access to parameter by password, special password to define operator access levels
Alarm options	Absolute / Threshold, band, High / Low deviation, auxiliary functions programmable for each step, programmable type of action on the running cycle, text of alarm messages may be entered by keyboard, alarm source selectable by the user
Waiting function	Special function to compensate differences SPV / PV in case of overloaded system
Cycle recovery function	Resume the cycle after unexpected power failure
Functions for gas-fired kilns	Management of modulating valves by additional PL250
Visualization options	Selection of visualized process values, selection of menus related to function keys, selectable language (Italian, English, German), optional customer logo loaded at starting

Ordering codes

ATR313-1AD	Graphic terminal, LCD display, alphanumeric keyboard
Acquisition modules	See PL300
2100.30.001	Memory card Series TD240-TD320-ATR313