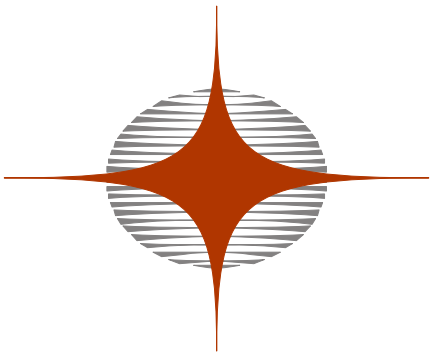


PIXSYS

elettronica

CONTROLLER

ATR111

User Manual

1 ORDERING CODES

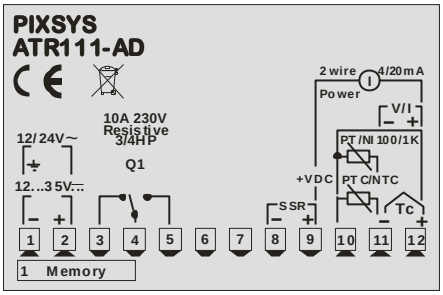
Ordering codes model ATR111			
ATR111-	xx	x	
Power supply	AD		12…24Vac ± 10% 50/60Hz 12…35Vdc
	B		230 Vac ± 10% 50/60 Hz

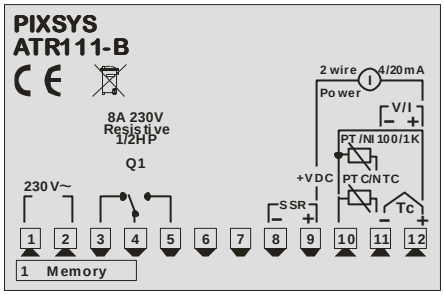
2 TECHNICAL DATA

Main features		
Displays	3 digits (0,56 inches) + 1 Leds (Out1)	
Operating temperature	0-40℃ - humidity 35..95uR%	
Sealing	Front panel IP65 (with gasket) / Box IP30 / Terminal blocks IP20	
Material	ABS UL94V2 self- exstinguish	
Weight	Approx. 100 gr.	
Hardware data		
Analog input	AN1 Software configurable Thermocouples K, J, S, R PT100, NI100, PT500, PT1000, PTC 1000 ohm , NTC 10Kohm	Tolerance 25℃ 0.5 % ± 1 digit for thermocouples and RTD Cold junction 0.2℃/℃ of ambient temperature
Outputs	**1** Relay or SSR: *OUT1 :*10A resistive on AD codes, 8A resistive with internal transformer *SSR :* 8 Volt 20mA for version B 15 Volt 30mA for version AD (alim. 12Vac) 30 Volt 30mA for version AD (alim. 24Vac)	

Software data	
Control algorithm	On/OFF with hysteresis or P.I.D. with Autotuning
Data protection	Configuration password, quick programming by Memory card

3 WIRING DIAGRAM ATR111



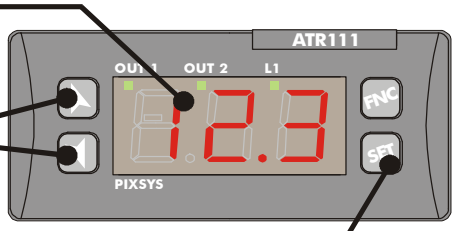


4 DISPLAYS AND KEYS

Display normally shows
process value (ex. measured temperature),
but can also visualize setpoints or value of
entering data

Visualize set, increase set
or scroll parameters
(whith fast advancement)

Visualize set, decrease set,
scroll parameters.
(whith fast advancement)



Visualize setpoint (ex. programmed temperature):
press once for SET1 (Led Out1 flashes),

In configuration mode press with arrow
keys to modify value of visualized parameter.