Sharing and interconnecting, just a few clicks away

Master Assistance

We link Pixsys

DOWNLOAD
Manuals, Software tools and Application Notes available for download within each product page.

VIDEO-MANUALS
Short video-manuals provide descriptions and examples about programming options by keyboard or by Memory Cards, as well as demos of software tools.

FORUM & FAQ
A dedicated area for all your questions related to set-up, configuration and operating modes for Pixsys devices, including FAQ area for round-the-clock answers to the most frequent questions.

TRAINING SESSIONS
Special attention is reserved to technical training about the programmable systems (PLCs, HMIs) and also parametric devices if required. Arranged upon request, they can be focused on a specific project, as an opportunity to combine theory and practice. Contact our Sales dept for details.

EXTENSIVE SALES NETWORK
Become a PIXSYS partner!
Are you a Systems Integrator with a background in PLCs and HMIs programming?
Or a distributor/reseller of industrial electronic devices with a focus on solutions rather than on single components? Contact our Export dept to discuss cooperation and become a partner of our expanding sales network.

NEWSLETTER
Sign-up on our website to receive regular updates about products, special promotions, events and tradeshows.

BLOG
An interactive space to communicate and to share case-histories, ideas, hints and suggestions about Pixsys devices and upcoming projects. Open to your contribution.

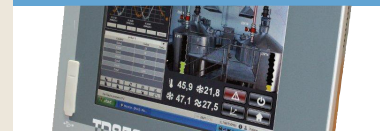Explore also the other Pixsys products lines!

Browse the website for details and/or request the brochure about Pixsys programmable systems.

- PLCs – I/O modules – Serial converters

- HMIs - Panel-PCs

- Wide selection of sensors, SSRs, power supplies in cooperation with primary brands

Pixsys ELECTRONICS

Pixsys srl
Via Po, 16
I - 30030 Mellaredo di Pianiga VE
Ph. +39 041 519 0518
Fax +39 041 519 0027

www.pixsys.net - sales@pixsys.net
online assistance: http://forum.pixsys.net

Pixsys ELECTRONICS

2013
Shortform

Parametric Devices

A manufacturing company & a registered trademark

Pixsys stands for twenty years of experience in designing and manufacturing of instrumentation for process control and industrial automation.
Starting with hardware and software design, up to product assembly, we complete the entire manufacturing cycle at our factory in Italy.

Product concept relies on extremely flexible hardware and software structures allowing reduced order codes and on user-friendly interfaces and programming tools which simplify start-up and after-sales service.

Browse the web site **www.pixsys.net** for detailed information.

Controllers / Indicators

MAIN FEATURES	ATR121 / ATR141	ATR142	ATR171	ATR236	ATR243	ATR401	DRR245	DRR450	STR550	ATR131	DDR132
DIMENSIONS (mm)	32 x 74 (front) x 53	32 x 74 (front) x 53	72 x 72 (front) x 99	48 x 48 (front) x 107	48 x 48 (front) x 125	48 x 96 (front) x 123	DIN 43880 (EN50022)	(EN50022)	96 x 48 (front) x 48	32 x 74 (front) x 53	DIN 43880 (EN50022)
POWER SUPPLY	24 - 230 - 115 Vac / 12..24 Vac/dc	24..230 Vac/dc	24..230 Vac/dc	24..230 Vac/dc	24..230 Vac/dc	24..230 Vac/dc	24..230 Vac/dc	24 V dc	24..230 Vac/dc	24 - 230 - 115 Vac	230 Vac
PROGRAMMABLE ANALOGUE INPUTS	1	1	1 / 2 (23 ABC-T)	1 (Only temperature)	1	2	1	1 (TC K, J, T, E)	1	1 / 2 (NTC only)	3 (NTC / PTC)
DIGITAL INPUT	○	●	●	○	●	●	●	○	2	●	2
CURRENT TRANSFORMER INPUT	○	○	○		● (Optional)	●	●		○	○	○
RELAY OUTPUTS	2	2	1..4	1	2 / 3	2..4	2	○	2	1 / 3	4 (1 x 30A)
SSR CONTROL OUTPUT	●	●	●	●	●	●	●		2	○	●
ANALOGUE OUTPUTS (mA/Volt)	○	○	● (Optional)	○	●	● (Optional)	●	○	2	○	○
RS 485 / MODBUS	● (Optional)	● (Optional)	● (Optional)	○	● (Optional)	● (Optional)	●	●	●	○	●

SOFTWARE FEATURES											
PID / AUTOTUNING	●	●	●	●	●	●	●	●	○	●	○
PROG. HEATING / COOLING ACTION	●	●	●	●	●	●	●	●	○	●	○
OPEN / CLOSE LOGIC (valves)	●	●	●	○	●	●	●	○	○	○	○
RETRANSMISSION PV/SPV	○	●	●	○	●	●	○	○	○	○	○
REMOTE SETPOINT	○	●	●	○	●	○	○	○	○	○	○
RAMP / SOFT START	○	●	●	●	●	●	○	○	○	○	●
PRE-PROGRAMMED CYCLE (3 steps)	●	●	●	●	○	●	○	○	●	○	○
DUAL PID HEATING / COOLING	●	●	●	○	●	●	●	○	○	○	○
LIMIT CONTROLLER (manual reset)	○	●	●	○	●	●	●	○	●	○	○
DEFROST FUNCTION	○	○	○	○	●	○	○	○	○	●	○
EASY-UP CODES	○	●	●	○	●	●	○	○	○	○	●
MEMORY CARD	●	●	●	●	●	●	●	○	●	●	●
LABSOFTVIEW (programming software)	●	●	●	●	●	●	●	●	●	●	○

PRODUCTS COMPARISON											
RATIO PRICE / PERFORMANCE	★★★	★★★★★	★★★	★★★	★★★★	★★★★★	★★★★★	★★★★	★★★★	★★	★★★
STOCK TURNOVER	★★★★	★★★★	★★★	★★★	★★★★	★★★★	★★★★	★★★	★★★★	★★★	★★

APPLICATIONS											
FOOD INDUSTRY	●	●	●	●	●	○	○	○	●	●	○
COLD CHAIN EQUIPMENTS	○	●	○	●	○	○	○	●	○	●	●
HVAC	●	○	●	○	●	○	○	●	●	●	●
PACKAGING	●	●	●	●	●	●	●	●	●	○	○
PLASTICS / RUBBER INDUSTRY	○	●	●	●	●	●	●	●	●	○	●
FOOTWEAR / LEATHER MACHINERY	●	●	○	●	●	●	●	●	○	○	○
TEXTILE INDUSTRY	○	●	○	●	○	●	○	●	●	○	○
LABORATORY EQUIPMENTS	○	●	●	●	●	●	●	○	●	○	●
OVENS / FURNACES	●	●	●	○	●	●	●	●	●	●	○
BURNERS / BOILERS	●	●	●	○	●	○	●	○	●	●	○

Process Controllers / Programmers

MAIN FEATURES	ATR 421	ATR 620	ATR 621	ATR 902	ATR 313
DIMENSIONS (mm)	48 x 96 (front) x 123	72 x 72 (front) x 99	72 x 72 (front) x 99	120 x 65 (front) x 65	251 x 146 (front) x 66
POWER SUPPLY	24..230 Vac / dc	24 / 110 / 230 Vac	24..230 Vac / dc	230 Vac	12..24 Vac / dc
PROGRAMMABLE ANALOG INPUTS	1	2	1	1	See PL300
DIGITAL INPUT	1	2	1	○	See PL300
RELAY OUTPUTS	2..4	2..3	2..4	2	See PL300
SSR CONTROL OUTPUT	●	●	●	●	See PL300
ANALOGUE OUTPUTS (mA/Volt)	●	○	●	○	●
RS 485 / MODBUS	● (Optional)	●	● (Optional)	○	●
POTENTIOMETER IMP. / FEEDBACK SIGNAL	●	○	●	●	● (module PL250)

SOFTWARE FEATURES					
PID / AUTOTUNING	●	●	●	●	●
OPEN / CLOSE LOGIC (valves)	●	●	●	●	●
RETRANSMISSION PV/SPV	●	○	●	●	●
REMOTE SETPOINT	○	●	○	●	○
CYCLE RECOVERY	●	●	●	●	●
WAITING FUNCTION	●	●	●	●	●
DELAYED START	●	●	●	●	○
GAS KILN OPTIONS	●	○	○	●	●
MULTILOOP APPLICATIONS	○	○	○	●	●
CYCLES / PROGRAMS	15	15	15	15	20
STEPS / SEGMENTS	45	20	45	18	30
MEMORY CARD	●	●	●	●	●
LABSOFTVIEW (programming software)	●	○	●	●	○

PRODUCTS COMPARISON					
RATIO PRICE / PERFORMANCE	★★★	★★★★	★★★	★★★★	★★★★
STOCK TURNOVER	★★★	★★★★	★★★★	★★★★	★★★

APPLICATIONS					
GLASS / CERAMICS KILNS	●	●	●	●	●
ENVIRONMENTAL CHAMBERS	●	●	●	●	●
DRYERS	●	●	●	●	○
HEAT TREATMENT PLANTS	●	●	●	●	●
LABORATORY EQUIPMENT	●	○	○	●	●
INDUSTRIAL FURNACES	●	●	●	●	●
HOBBY KILNS (pottery, metal clay, glassware)	○	○	●	●	●
METAL WORKING	●	●	●	●	●
FOOD INDUSTRY	●	○	●	●	●

Timers / Counters

MAIN FEATURES	TCT101	TCT201
DIMENSIONS (mm)	32 x 74 (front) x 53	48 x 48 (front) x 107
POWER SUPPLY	24..230 Vac / dc	24..230 Vac / dc
DIGITAL INPUTS (NPN / PNP / TTL)	3	3
RELAY OUTPUTS	2 / 1 (4ABC-T)	2
ANALOGUE INTPUT (potentiometer)	●	●
RS485 / MODBUS	● (4ABC-T)	○

SOFTWARE FEATURES		
TIMER (on-off / pause-work / oscillator / pwm)	● (1ABC)	● (1ABC)
PROGRAMMABLE TIME BASIS	● (1ABC)	● (1ABC)
COUNTER MODE (up / down / lock / hold)	● (2ABC)	● (2ABC)
COUNTING FREQUENCY (up to 100 khz)	● (2ABC)	● (2ABC)
TACHOMETER (up to 100 khz)	● (3ABC)	● (3ABC)
START / STOP / HOLD BY DIGITAL INPUT	●	●
BACK-UP BATTERY	●	●
MEMORY CARD	●	●
LABSOFTVIEW (programming software)	●	●

PRODUCTS COMPARISON		
RATIO PRICE / PERFORMANCE	★★★★	★★★★
STOCK TURNOVER	★★★★	★★★★

APPLICATIONS		
CONTROL PANELS	●	●
PRODUCTION QUANTITY MANAGEMENT	●	●
PRE-SET COUNTINGS	●	●
FOOD INDUSTRY	●	●
WATER TREATMENT	●	●
ENCODER READING	●	●
FLOWMETER OPTION	●	○