

Sharing and
interconnecting,
just a few
clicks away



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



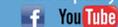
2012
Shortform
Parametric Devices



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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.

Controller

MAIN FEATURES	ATR 121	ATR 141	ATR 142	ATR 171	ATR 236	ATR 243	ATR 401	DRR 245	ATR 131	DDR 132
DIMENSIONS (MM)	32 x 74 (front) x 53	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)	32 x 74 (front) x 53	DIN 43880 (EN50022)
POWER SUPPLY	24 - 230 - 115 Vac 12...24 Vac/dc	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 - 230 - 115 Vac	230 Vac
PROGRAMMABLE ANALOGUE INPUTS	1	1	1	1 / 2 (23 ABC-T)	1 (Only temperature)	1	2	1	1 / 2 (NTC only)	3 (NTC / PTC)
DIGITAL INPUT	○	○	●	●	○	●	●	●	○	2
CURRENT TRASFORMER INPUT	○	○	○	○	○	● (Optional)	●	●	○	○
RELAY OUTPUTS	2	2	2	1...4	1	2 / 3	2...4	2	1 / 3	4 (1 x 30A)
SSR CONTROL OUTPUT	●	●	●	●	●	●	●	●	○	○
ANALOGUE OUTPUTS (mA/Volt)	○	○	○	● (Optional)	○	●	● (Optional)	●	○	○
RS 485 / MODBUS	● (Optional)	● (Optional)	● (Optional)	● (Optional)	○	● (Optional)	● (Optional)	●	○	●

SOFTWARE FEATURES	ATR 121	ATR 141	ATR 142	ATR 171	ATR 236	ATR 243	ATR 401	DRR 245	ATR 131	DDR 132
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	ATR 121	ATR 141	ATR 142	ATR 171	ATR 236	ATR 243	ATR 401	DRR 245	ATR 131	DDR 132
RATIO PRICE / PERFORMANCE	★★★★	★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

APPLICATIONS	ATR 121	ATR 141	ATR 142	ATR 171	ATR 236	ATR 243	ATR 401	DRR 245	ATR 131	DDR 132
FOOD INDUSTRY	●	●	●	●	●	●	○	○	●	○
COLD CHAIN EQUIPMENTS	○	○	○	○	○	○	○	○	●	●
HVAC	●	●	○	●	○	○	○	○	●	●
PACKAGING	○	○	●	○	●	●	●	●	○	○
PLASTICS / RUBBER INDUSTRY	○	○	●	●	○	●	●	●	○	○
FOOTWEAR / LEATHER MACHINERY	○	●	●	○	●	●	○	○	○	○
TEXTILE INDUSTRY	○	○	●	○	●	●	○	○	○	○
LABORATORY EQUIPMENTS	○	○	●	○	○	●	●	○	○	○
OVENS / FURNACES	○	●	●	●	○	●	●	○	○	○
BURNERS / BOILERS	●	○	●	○	○	○	●	●	○	○

Process Controller / Programmer

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	24...230 Vac / Vdc	12...24 Vac / dc
PROGRAMMABLE ANALOGUE 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 INP. / FEEDBACK SIGNAL	●	○	○	○	● (module PL250)

SOFTWARE FEATURES	ATR 421	ATR 620	ATR 621	ATR 902	ATR 313
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	ATR 421	ATR 620	ATR 621	ATR 902	ATR 313
RATIO PRICE / PERFORMANCE	★★★★	★★★★★	★★★★★	★★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

APPLICATIONS	ATR 421	ATR 620	ATR 621	ATR 902	ATR 313
GLASS / CERAMICS KILNS	●	●	●	●	●
ENVIRONMENTAL CHAMBERS	●	●	●	○	●
DRYERS	●	●	●	○	○
HEAT TREATMENT PLANTS	●	●	●	○	●
LABORATORY EQUIPMENT	●	○	○	○	○
INDUSTRIAL FURNACES	●	●	●	●	●
HOBBY KILNS (Pottery, Metal clay, Glassware)	○	○	●	●	○
METAL WORKING	●	○	●	○	●
FOOD INDUSTRY	●	○	●	○	○

Timer / Counter

MAIN FEATURES	TCT 101	TCT 201
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 OUTPUT (Potentiometer)	●	●
RS485 / MODBUS	● (4ABC-T)	○

SOFTWARE FEATURES	TCT 101	TCT 201
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)	● (2AB)	● (2ABC)
TACHOMETER (Up to 100 khz)	● (3ABC)	○
START / STOP / HOLD BY DIGITAL INPUT	●	●
BACK-UP BATTERY	●	●
MEMORY CARD	●	●
LABSOFTVIEW (Programming software)	●	●

PRODUCTS COMPARISON	TCT 101	TCT 201
RATIO PRICE / PERFORMANCE	★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★

APPLICATIONS	TCT 101	TCT 201
CONTROL PANELS	●	●
PRODUCTION QUANTITY MANAGEMENT	●	●
PRE-SET COUNTINGS	●	●
FOOD INDUSTRY	●	●
WATER TREATMENT	●	●
ENCODER READING	●	○
FLOWMETER OPTION	●	○