

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Краснодар (861)203-40-90	Санкт-Петербург (812)309-46-40
Астана (7172)727-132	Красноярск (391)204-63-61	Саратов (845)249-38-78
Астрахань (8512)99-46-04	Курск (4712)77-13-04	Севастополь (8692)22-31-93
Барнаул (3852)73-04-60	Липецк (4742)52-20-81	Симферополь (3652)67-13-56
Белгород (4722)40-23-64	Магнитогорск (3519)55-03-13	Смоленск (4812)29-41-54
Брянск (4832)59-03-52	Москва (495)268-04-70	Сочи (862)225-72-31
Владивосток (423)249-28-31	Мурманск (8152)59-64-93	Ставрополь (8652)20-65-13
Волгоград (844)278-03-48	Набережные Челны (8552)20-53-41	Сургут (3462)77-98-35
Вологда (8172)26-41-59	Нижний Новгород (831)429-08-12	Тверь (4822)63-31-35
Воронеж (473)204-51-73	Новокузнецк (3843)20-46-81	Томск (3822)98-41-53
Екатеринбург (343)384-55-89	Новосибирск (383)227-86-73	Тула (4872)74-02-29
Иваново (4932)77-34-06	Омск (3812)21-46-40	Тюмень (3452)66-21-18
Ижевск (3412)26-03-58	Орел (4862)44-53-42	Ульяновск (8422)24-23-59
Казань (843)206-01-48	Оренбург (3532)37-68-04	Уфа (347)229-48-12
Калининград (4012)72-03-81	Пенза (8412)22-31-16	Хабаровск (4212)92-98-04
Калуга (4842)92-23-67	Пермь (342)205-81-47	Челябинск (351)202-03-61
Кемерово (3842)65-04-62	Ростов-на-Дону (863)308-18-15	Череповец (8202)49-02-64
Киров (8332)68-02-04	Рязань (4912)46-61-64	Ярославль (4852)69-52-93
	Самара (846)206-03-16	

Единый адрес: psx@nt-rt.ru **Веб-сайт:** www.pixsys.nt-rt.ru

Контроллеры процессов ATR421 PIXSYS. Техническое описание

ATR421

Programmable controller 15 cycle / 45 step



Programmer 48x96mm (1/8 DIN), single control loop. Allows the programming of 15 cycles/programs that can provide up to 45 steps/segments, all of which can be configured by the user as raise/maintain/lower. Programming mode of the work cycle that is intuitive and simple to use even for inexperienced operators.

Step end wait software functions (in case of a delay of the process on the programmed setpoint value) and Cycle Recovery mode (after a power cut-off) are the main features of this programmer that has been specifically designed for the automation of industrial kilns, climatic chambers, dryers and the management of thermal processes in general that require the programming of cycles/curves with control of the process variable in relation to time.

Universal input and outputs that can be set as control, alarm/auxiliary analogue retransmission and/or serial RS485. All options can be configured from the keypad without selecting external Jumpers. Useful power supply range from 24 to 230V AC/DC with galvanic isolation from the power supply and between inputs and outputs.

MEMORY-CARD or parameter setting software help the installer configure the device quickly and easily and LABSOFTVIEW records trends.

Ordering codes

ATR421-14ABC

1 Analogue input + 1 digital input + 4 Relays + 1 digital PNP / Alim. 24..230V AC/DC

ATR421-12ABC-T

1 Analogue input + 2 Relays + 1 digital PNP + 1 Analogue 0/4..20mA / 0..10V + RS485 / Alim.
24..230V AC/DC

Main features

Box

48x96 (front panel) x 123 mm

Power supply

24...230Vac/dc $\pm 15\%$ 50/60 Hz (selection 24 - 110...230Vac with jumper)

Consumption

5,5 VA, 4W

Display

4 digits 0,4" green + 4 digits 0,3" red

Operating conditions

Temperature 0-45 °C, humidity 35..95 RU% (non condensing)

Material

Box: Noryl UL94V1 self-extinguishing; Front panel: Silicon rubber V0

Weight

Approx. 350 g

Sealing

IP65 (Front panel) , IP20 (Box and Terminal blocks)

Quick set-up options

Memory Card with / without battery, software LABSOFTVIEW

Inputs

1 configurable

Selection TC, K, J, S, R, PT100,PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), 0/4..20 mA, 0..10 V

1 digital input

1...9 cycle selection, Hold, Run, "Open door" lock (code -14ABC)

1 potentiometer input

Position signal by potentiometer for servo-valves / motorized-valves

Outputs

2...4 Relays

Relay 8 A - 250 Vac resistive charge

1 SSR

24 Vdc - 25 mA max

1 Analogue

Selection SSR 12Vdc - 4...20 mA or 0...10 Vdc for command or retransmission PV/SPV (code - 12ABC-T)

Serial communication

RS485 Modbus RTU - Slave (code -12ABC-T)

Software features

Control algorithms

ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time-proportioned

Tuning

manual or automatic

Data protection

Lock of control / alarm setpoint, Access to parameters by password

Alarm modes

Absolute / Threshold, band, High / Low deviation, timed auxiliary programmable for single steps

Gas mode

Open / Close logic for motorize valves, management of burners and fan, GID selection (management of burners during falling steps)

Waiting function

Special function to compensate differences SPV / PV in case of overloaded system

Cycle recovery

Resume the cycle after unexpected power failure

Setpoint controller mode

Regulation on a fixed setpoint (function might be enabled from general menu or during a cycle in progress)

Delayed start

Cycle start delayed by decremental timer

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72	Краснодар (861)203-40-90	Санкт-Петербург (812)309-46-40
Астана (7172)727-132	Красноярск (391)204-63-61	Саратов (845)249-38-78
Астрахань (8512)99-46-04	Курск (4712)77-13-04	Севастополь (8692)22-31-93
Барнаул (3852)73-04-60	Липецк (4742)52-20-81	Симферополь (3652)67-13-56
Белгород (4722)40-23-64	Магнитогорск (3519)55-03-13	Смоленск (4812)29-41-54
Брянск (4832)59-03-52	Москва (495)268-04-70	Сочи (862)225-72-31
Владивосток (423)249-28-31	Мурманск (8152)59-64-93	Ставрополь (8652)20-65-13
Волгоград (844)278-03-48	Набережные Челны (8552)20-53-41	Сургут (3462)77-98-35
Вологда (8172)26-41-59	Нижний Новгород (831)429-08-12	Тверь (4822)63-31-35
Воронеж (473)204-51-73	Новокузнецк (3843)20-46-81	Томск (3822)98-41-53
Екатеринбург (343)384-55-89	Новосибирск (383)227-86-73	Тула (4872)74-02-29
Иваново (4932)77-34-06	Омск (3812)21-46-40	Тюмень (3452)66-21-18
Ижевск (3412)26-03-58	Орел (4862)44-53-42	Ульяновск (8422)24-23-59
Казань (843)206-01-48	Оренбург (3532)37-68-04	Уфа (347)229-48-12
Калининград (4012)72-03-81	Пенза (8412)22-31-16	Хабаровск (4212)92-98-04
Калуга (4842)92-23-67	Пермь (342)205-81-47	Челябинск (351)202-03-61
Кемерово (3842)65-04-62	Ростов-на-Дону (863)308-18-15	Череповец (8202)49-02-64
Киров (8332)68-02-04	Рязань (4912)46-61-64	Ярославль (4852)69-52-93
	Самара (846)206-03-16	

Единый адрес: psx@nt-rt.ru **Веб-сайт:** www.pixsys.nt-rt.ru