

Features:

HMI

- Up to 60 user-designed screens
- Multi language

PLC

- I/O options including digital, analog, temperature and high speed
- Auto-tune PID, up to 4 independent loops (according to model*)

Communication

Built-in ports:

- 1 Mini USB for programming
- 1 port may be added: Serial/Ethernet (see page 35)

Protocols:

- PC access via MODBUS or OPC server
- Supports MODBUS protocol (according to model)

General Features:

- SMS via GSM
- 3G Modem support
- Remote access utilities

* Up to 4 loops: models UA24 / UN20
1 loop: all other models 1

An All-in-One unit affordable as a "smart relay". Full-function PLC combined with a textual HMI and keypad, with up to 40 built-in I/Os.



Jazz®



I/O Options	
Total supported I/Os	40
Built-in	According to model (See Built-in I/Os table below)
I/O Expansion	-
Program	
Memory Operands	256 coils, 256 registers, 64 timers
Ladder Memory	48K
HMI Panel	
Touch screen	-
Cut Out Height x Width (mm)	117 x 89
Resolution	2 lines, 16 characters
Keys	16 keys, including 10 user-labeled keys
Environment	
Protection	NEMA4X/IP65 (when panel mounted)
Operating Temperature	0 to 50°C
Standards	CE, UL Many of our products are also UL Class 1 Div 2 and GOST - please contact Unitronics
General	
Battery	10 years typical at 25°C, battery back-up for RTC and system data, including variable data
Clock	Real-time clock functions (date and time)
Power Supply	24VDC

Jazz® models - Built-in I/Os

Article *	Summary	Inputs ¹				Outputs				Operating Voltage
		Digital ²	HSC/Shaft-encoder ²	Analog	Temperature Measurement	Transistor ³	PWM/HSO ³	Relay	Analog	
JZ20-J-R10	6 Digital Inputs 4 Relay Outputs	6	2 10kHz, 16-bit	—	—	—	—	4	—	24VDC
JZ20-J-R16	6 Digital, 2 D/A, 2 Analog Inputs ¹ 6 Relay Outputs	8		2 0-10V 10 or 12-bit 2 0-20mA, 4-20mA 10 or 12-bit	—	—	—	6	—	24VDC
JZ20-J-R16HS	6 Digital, 3 HSC/Shaft-encoder, 2 A/D, 2 AI, 6 Relay outputs	8	3 10kHz, 16-bit	2 0-10V 10 or 12-bit 2 0-20mA, 4-20mA 10-bit	—	—	—	6	—	24VDC
JZ20-J-R31	16 Digital, 2 D/A , 2 Analog Inputs ¹ 11 Relay Outputs	18	2 10kHz, 16-bit	2 0-10V 10 or 12-bit 2 0-20mA, 4-20mA 10-bit	—	—	—	11	—	24VDC
JZ20-J-T10	6 Digital Inputs 4 Transistor Outputs	6		—	—	4 pnp	—	—	—	24VDC
JZ20-J-T18	6 Digital, 2 D/A, 2 Analog Inputs ¹ 8 Transistor Outputs	8		2 0-10V 10-bit 2 0-20mA, 4-20mA 10-bit	—	8 pnp	—	—	—	24VDC
JZ20-J-T20HS	6 Digital, 3 HSC/Shaft-encoder, 2 A/D, 2 AI, 10 Transistor outputs	8	3 10kHz, 16-bit	2 0-10V 10-bit	—	8 pnp 2 nnp	2 32kHz	—	—	24VDC
JZ20-J-T40	16 Digital, 2 D/A, 2 Analog Inputs ¹ 20 Transistor Outputs	18	2 10kHz, 16-bit	2 0-10V 10-bit 2 0-20mA, 4-20mA 10-bit	—	20 pnp	—	—	—	24VDC
JZ20-J-UA24	9 Digital Inputs, 1 HSC, 2 A/D, 2 AI, 2 TC/PT100, 5 Relay Outputs, 2 Transistor Outputs, 2 AO	11	2 10kHz, 16-bit	2 0-20mA 4-20mA 2 0-10 VDC	2 Thermocouple, PT100	2 pnp	2	5	2 +/-10V, 4 -20mA 12-bit	24VDC
JZ20-J-UN20	9 Digital, 2 D/A, ¹ Analog 1 TC/PT100 Inputs ¹ 5 Relay 2 Transistor Outputs	11	1 5kHz, 16-bit	2 0-10V 10-bit 1 0-20mA, 4-20mA 10-bit	1 Thermocouple, PT100	2 pnp	2	5	—	24VDC

¹ In some models certain inputs are adaptable, and can function as either digital or analog. Adapting requires input pins. This reduces the number of digital inputs. Pin requirements: Each analog input requires 1 pin.

² Note that the high-speed inputs are included in the total number of digital inputs

³ Note that the high-speed outputs are included in the total number of npn/pnp digital outputs

⁴ To order a classic Jazz with a Bezel panel, omit the 'J' from the model number, ex. JZ20-R10