

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

FLW / RKC INSTRUMENT

RKC Instrument REX-S100 Digital Temperature Controller

Aumictech offers NIST-traceable calibration and repair for the FLW / RKC Instrument S100FJA8-M-AN. Calibration covers I/O channel accuracy per specification, analog output and input calibration to rated accuracy, and functional communication interface test (serial, Ethernet, fieldbus). All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1-3 business days after receipt. Common FLW / RKC Instrument S100FJA8-M-AN faults: blown I/O fuses, failed analog modules, power supply capacitor failure. Common faults include blown I/O protection fuses, failed analog I/O modules, power supply capacitor failure, and serial or Ethernet communication port damage. This FLW / RKC Instrument S100FJA8-M-AN is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the FLW / RKC Ins



MODEL

**FLW / RKC
Instrument
S100FJA8-M-AN**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

S100FJA8-M-AN

LISTING

<https://aumictechlabs.com/products/s100fja8-m-an-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The REX-S100 digital temperature controller provides accurate and stable temperature control with its advanced PID algorithm. Its user-friendly design allows for easy parameter setting and

monitoring. Suitable for controlling temperature in ovens, incubators, plastic processing machinery, and packaging equipment. The controller ensures consistent and reliable temperature management, optimizing process efficiency and product quality.

S100FJA8MAN Characteristics / Specifications

PARAMETER	VALUE
Model	S100FJA8-M-AN
Also Known As	REX-S100
Instrument Type	1/16 DIN digital PID temperature controller
Family	RKC REX-S100 / S400 / S900
Panel Size	48 × 48 × 100 mm
Thermocouple Inputs	K, J, E, T, N (JIS/IEC), U, L (DIN)
Rtd Inputs	Pt100 (JIS/IEC), JPt100 (JIS), max 10 ohm per wire
Proportional Band	1 to span; ON/OFF when P=0; ON/OFF gap 2 C (F)
Integral Time	0 to 999 s (PD when I=0)
Derivative Time	0 to 999 s (PI when D=0)
Anti Reset Windup	1 to 100 percent of proportional band
Proportional Cycle	1 to 100 s
Relay Output	Form A 250 VAC 3 A resistive (REX-S100)
Voltage Pulse Output	0/12 V DC
Alarm Output	Form A 250 VAC 1 A resistive; up to 2 alarms
Alarm Gap	2 C (F) standard
Heater Break Display	0 to 100 A; accuracy plus or minus 5 percent of input or plus or minus 2 A whichever larger
Supply Voltage Ac	85 to 264 VAC (rated 100 to 240 VAC) 50/60 Hz
Supply Voltage	21.6 to 26.4 VAC or 21.6 to 26.4 VDC
Power Consumption	less than 9 VA standard AC; less than 4 VA 24 VAC; less than 120 mA 24 VDC
Power Fail Hold	20 ms or less does not affect control
Operating Environment	0 to 50 C, 45 to 85 percent RH
Net Weight	approximately 170 g
Memory	non-volatile backup

PARAMETER	VALUE
Approvals	CE, UL, CSA
Sample Period Class	0.5 s class listings
Manufacturer	RKC Instrument Inc.
Literature	RKC REX-S100 series catalog S_01e
Related S4	REX-S400 48 × 96 × 100 mm about 260 g

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	S100FJA8-M-AN
Also Known As	REX-S100
Instrument Type	1/16 DIN digital PID temperature controller
Family	RKC REX-S100 / S400 / S900
Panel Size	48 x 48 x 100 mm
Thermocouple Inputs	K, J, E, T, N (JIS/IEC), U, L (DIN)
Rtd Inputs	Pt100 (JIS/IEC), JPt100 (JIS), max 10 ohm per wire
Proportional Band	1 to span; ON/OFF when P=0; ON/OFF gap 2 C (F)
Integral Time	0 to 999 s (PD when I=0)
Derivative Time	0 to 999 s (PI when D=0)
Anti Reset Windup	1 to 100 percent of proportional band
Proportional Cycle	1 to 100 s
Relay Output	Form A 250 VAC 3 A resistive (REX-S100)
Voltage Pulse Output	0/12 V DC
Alarm Output	Form A 250 VAC 1 A resistive; up to 2 alarms
Alarm Gap	2 C (F) standard
Heater Break Display	0 to 100 A; accuracy plus or minus 5 percent of input or plus or minus 2 A whichever larger
Supply Voltage Ac	85 to 264 VAC (rated 100 to 240 VAC) 50/60 Hz
Supply Voltage 24	21.6 to 26.4 VAC or 21.6 to 26.4 VDC
Power Consumption	less than 9 VA standard AC; less than 4 VA 24 VAC; less than 120 mA 24 VDC
Power Fail Hold	20 ms or less does not affect control
Operating Environment	0 to 50 C, 45 to 85 percent RH
Net Weight	approximately 170 g
Memory	non-volatile backup
Approvals	CE, UL, CSA

PARAMETER	VALUE
Sample Period Class	0.5 s class listings
Manufacturer	RKC Instrument Inc.
Literature	RKC REX-S100 series catalog S_01e
Related S400	REX-S400 48 x 96 x 100 mm about 260 g

Notes

From RKC REX-S100 catalog (48x48x100 mm, 85-264 VAC, 170 g, 250 VAC 3 A relay, PID times). S100FJA8-M-AN isaconfiguration token (input/output/alarm); confirm TC versus RTD and relay versus pulse on the installed faceplate.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.