



TEMPERATURE CONTROL

GENERAL PURPOSE CONTROLLERS

CB Series- CB100, CB400, CB500, CB700, CB900

- Scan time 0.5 second
- 4 digit dual display
- Up to 2 Alarms outputs, CT input, Heater/Loop break alarm
- Heat, Heat/Cool main output
- Coms: RS 485 ASCII, Modbus
- Universal programmable inputs



CB03 Series - CB103, CB403, CB903

- Scan time 0.5 second
- 4 digit dual display
- Up to 2 Alarms outputs. CT input, Heater break alarm
- 4-20 mA Re-transmit or 3rd alarm
- Digital input select. RUN /STOP or SV1/SV2
- Heat main output
- Universal programmable inputs



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GENERAL PURPOSE CONTROLLERS

SA100 Series

- Scan time 0.5 second
- Din rail or panel mount with 11 pin base
- Ramp and soak capability
- 4 digit dual display
- 2 outputs configurable control/alarm/retransmit
- 1 output can be configured with 2 alarm functions
- Digital input select. RUN /STOP or SV1/SV2
- Heat, Heat/Cool main output
- Coms: RS 485 ASCII, Modbus
- Universal programmable inputs
- Peek high/low hold function



SA200 Series

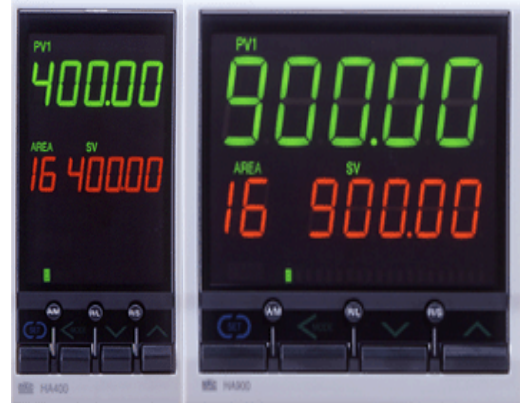
- Scan time 0.5 second
- 4 digit display
- Ramp and soak capability
- 2 outputs configurable control/alarm/retransmit
- 1 output can be configured with 2 alarm functions
- Digital input select. RUN /STOP or SV1/SV2
- Heat, Heat/Cool main output
- Coms: RS 485 ASCII, Modbus
- Universal programmable inputs
- Peek high/low Hold function



HIGH PERFORMANCE PROCESS CONTROLLERS

HA Series (Ultra High Speed Temperature Control)- HA400, HA900, HA401, HA901

- Measuring accuracy 0.1% reading + 1 digit
- **Scan time 0.025 second**
- 5 digit dual display resolution selectable to 2nd decimal place (123.45)
- Available in 2 channel device. Cascade control
- Power forward feed function (VT input)
- Coms: RS485 ASCII, Modbus
- Protocol: Profibus, DeviceNet
- Ideal for Rapid thermal processes, rapid thermal annealing, pressure and flow control.
- 16 memory areas. (32 segment profile)
- Bar graph display for output or SV Deviation
- 7 digital inputs
- 4 x digital event outputs (alarms)
- Auto/Manual control over output
- Universal programmable inputs
- \sqrt{v} extraction for Flow Control



FB Series - FB400, FB900

- Selectable scan time 0.05, 0.1, 0.25 second.
- 2 com ports
 - Com 1: RS485 ASCII, Modbus
 - Com 2: Inter-controller coms
- Program-less Open Network connectivity. CCLink, DeviceNet, Profibus, Ethernet Communication converter
- Mapman programme-less Communication Protocol converter
- 5 digit dual display resolution to 1st decimal place (1234.5)
- Bar graph display for output or SV Deviation
- 7 digital inputs. 4 x digital event outputs (alarms). Can handle rudimentary I/O
- 16 segment programmer
- Universal programmable inputs
- Selectable PID fast, medium, slow
- Auto/manual control over output
- Re-transmit PV, MV, SV, DEV
- \sqrt{v} extraction for Flow Control



HIGH PERFORMANCE PROCESS CONTROLLERS

F Series- F400, F900

- Scan time 0.25 second
- Selectable PID response. Fast, Medium and Slow
- Bar graph display for output or SV Deviation
- 4 digit dual display
- 8 memory areas. Memory area selectable
- 3 digital inputs
- 2 x digital outputs
- Auto/manual control over output
- Universal programmable inputs
- Remote set
- Coms: RS232, RS422A, RS485 ASCII
- Re-transmit PV, MV, SV(local or remote), DEV
- \sqrt{v} extraction for Flow Control



RAMP/SOAK CONTROLLERS

P24

The REX-P24 is an easy-to-use ramp/soak controller.

- Small size (48 x 48 x 100mm)
- 4 digit dual display
- 2 patterns/8 segments or 1 x 16
- Multi-level PID with auto tuning
- Control in three modes
 - Program mode, FIX mode and Timer mode.
- Universal Programmable Inputs
- 2 digital outputs: can be assigned as an alarm, or time signal, or pattern end.



P48/96

The REX-P48/96 is an easy-to-use ramp/soak controller.

- 4 digit dual display
- 2 patterns/8 segments or 1x16
- Multi-level PID with auto tuning
- Heat/Cool PID action(option)
- 96 x 96(P96) or 48 x 96(P48) size
- Universal temperature inputs
- 1 digital output can be assigned. Pattern end or time signal
- 2 Alarms
- External reset, run, hold, step
- 0 start or PV start
- Re-transmit PV, MV, SV



PF900

The PF900 is an easy-to-use ramp/soak controller.

- High Intensity Display
 - New control algorithm RSS (Ramp Soak Stabilizer)
 - Maximum of 3 point program pattern outputs
 - The PF900 can store up to 1024 segments
 - Two types of signal modes
 - Satisfies versatile applications
 - Memory group
 - Collaborative program operation (Inter-controller communication)
- Front loader interface + Programming tool



Other RKC products

<p>AE500 indicator</p> 	<p>COM series protocol converters</p> 	<p>CB100/900L limit or 'lockout'</p> 
<p>CVM open collector converters</p> 	<p>CZ melt-pressure sensors</p> 	<p>DP350/700 hand held indicators</p> 
<p>D100/900Z motor controllers</p> 	<p>EP4 motor controller</p> 	<p>F9000 0.000~50.000 Pt100 high accuracy</p> 

Other RKC products

HA430/930 melt-pressure controllers



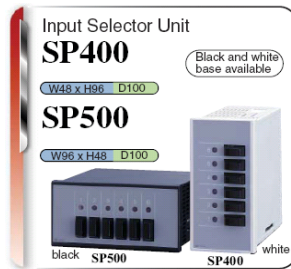
HBA series heater break alarms



MA900/901 4/8 zone controllers



SP400/500 multi point sensor switch



SR Mini extruder control systems



SRV/SRX/SRZ series modular DIN rail or panel mount, lock-together controllers

