

FC5,FCD,FCR Series PID Controllers

Fastron
Electronics

FC5 Series



Features:

- Simple and Cost Effective Design
- Bright White/Green LED Display
- Excellent Auto Tuning of PID
- Dual Output Version (SSR+Relay)
- Soft Start Feature
- ON/OFF Control Mode
- Full Multirange Input

FCR/TCR Series



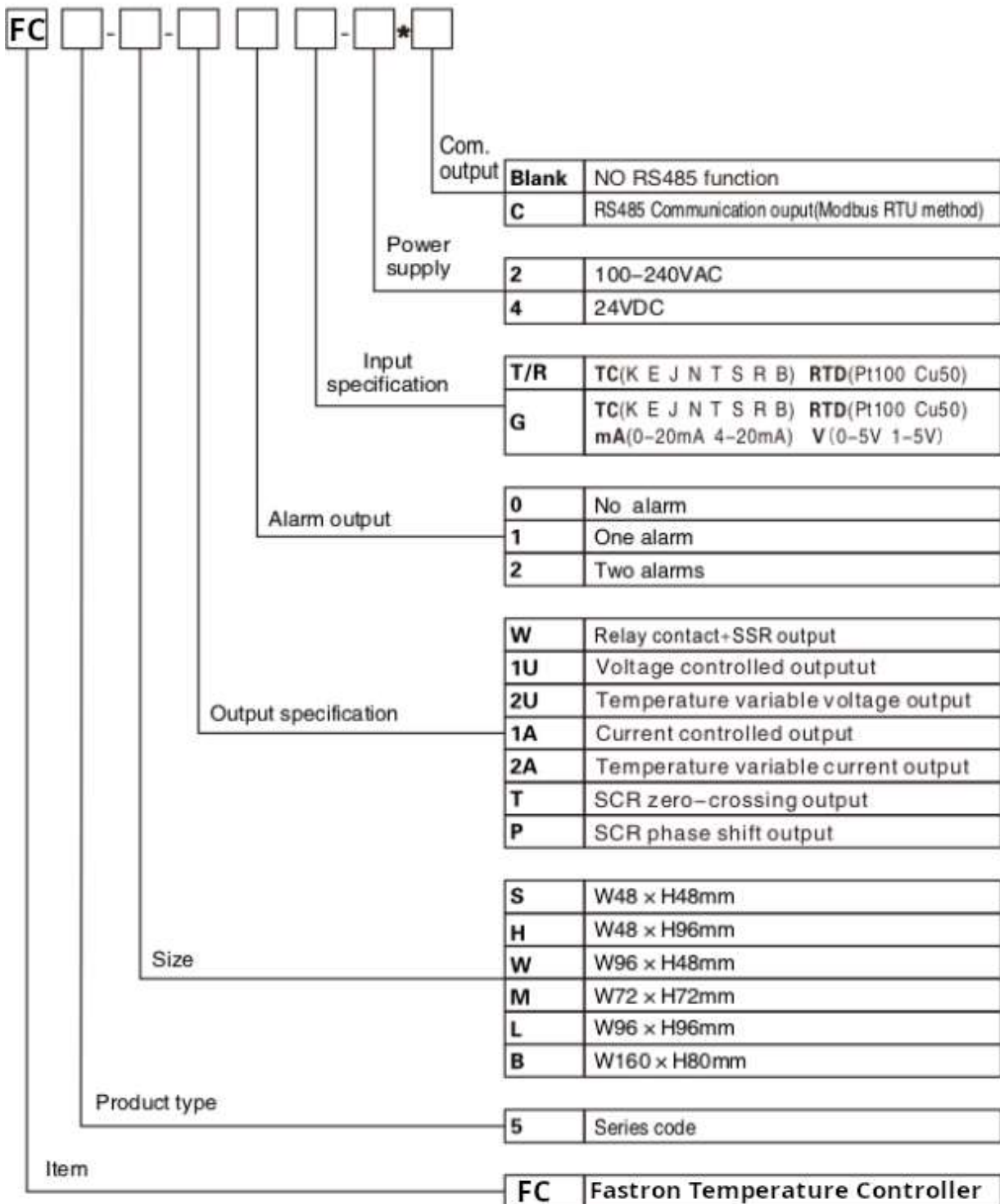
FCD/FCR Series



Specifications

Power Supply	8VA	100-240VAC / 24VDC (90-110%)
Input Specification	TC, RTD, Cu20, Voltage, Current	Type K,E,J,N,T,S,R,B, Pt100, Cu20, 0-20mA, 4-20mA, 0-5V, 1-5V
Display Accuracy	+/-0.5%	100ms Sampling Time
Output Specification	Relay SSR Voltage Current SCR Output	250VAC 5A with 1NO 1NC (CO) 12VDC +/-2V @ 20mA Control Output/ Variable Voltage Control Output/ Variable Current Zero Crossing (Burst) Output / Phase Angle Output
Optional Outputs	Alarms Comms	Max 2 x Relay 250VAC 5A with 1NO RS485 Modbus RTU
Control Method		PID, ON/OFF
Relay Lifetime		2.5 Million ops Mechanical, 100,000 Ops Electrical
Isolation		2kV 50/60Hz 1 Min (terminals to case)
Vibration		0.75mm Amplitude 5 to 55Hz (for 1 min), each X,Y,Z direction for 2 hours
Insulation Resistance		Min 100 MΩ (500VDC) MEGA
Noise Resistance		square shaped noise by simulator (pulse width 1uS) +/-2kV R-Phase, S-Phase
Memory Retention		Approx 10 years (non-volatile Semiconductor type)
Environment	Ambient Temp Ambient Humidity	-5 – 45°C (Operational), -10 to 50°C (Storage) 35%~85%RH (Storage & Operation)
Certifications		CE

Model composition



Outline & Installation Dimensions

