



TEMPERATURE CONTROLLER

# EC5300R/5500R

Easy Operation with Front Dial

Extra-Large Digital Display



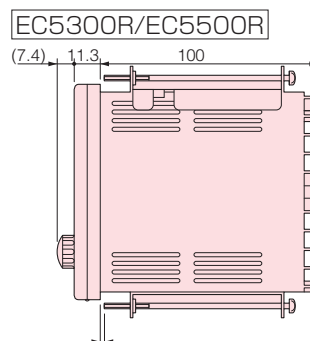
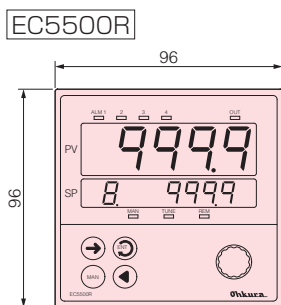
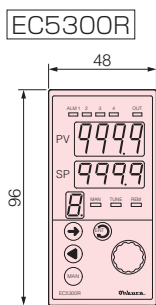
## Features

- Full Multi-Input (Thermocouple, RTD, Voltage or Current)
- Auto-Tuning, Self-Tuning Provided as Standard
- Scaling Range: -1999 to 9999
- Multi-Output (Selective)
- 4 Alarm Output
- RS-232C, RS-422A (RS-485) Communication Interface
- Easy Replace to EC5500S

## ■ SPECIFICATIONS

TITLE	ITEM	EC5300R	EC5500R
Input	Measuring point	1	
	Sampling Rate	250msec	
	Type of input (Full Multi-Input)	Thermocouple : B, R, S, K, E, J, T, WRe5-26, N, PR40-20, PL II, U, L, Au-Fe	
		Direct voltage : $\pm 10$ , 0~20, 0~50mV, 0~5, 1~5, 0~10V DC	
		Direct current : 4~20mA DC	
Performance	Accuracy	RTD : Pt100, JPt100	
	Noise rejection	$\pm (0.25\% \text{ FS} + 1 \text{ digit})$	
Set point	Type	NMRR : 60dB min, CMRR : 140dB min	
Control	Type	SP, Multi-SP (Up to 8), Remote SP (Option)	
	Type	PID, Gapped PID, PD, 3-position (dual output), ON/OFF	
	PID tuning	Selectable Auto tuning or Self tuning	
Output	Point	1output+1output (Option)	
	Type	Relay : Form-a, 250V AC, 3A resistive	
		SSR drive output, 15V DC (Max20mA) OFF-0V	
		4~20mA DC (Max600 $\Omega$ ), 0~5mA DC (Max2k $\Omega$ )	
Alarm/ Digital outputs	Alarm set point	2outputs (Form-a)+2outputs (Form-a, Option) 250V AC (0.5A Max) resistive	
	Function	Alarm, FAIL, AUTO/MAN, RUN/STOP	
Digital inputs	Point	4 inputs for function selection, 15V DC 1mA Non-voltage input	
	Function	SP/PID, AUTO/MAN, SP Remote/Local, RUN/STOP	
Option	Communication	RS-232C, RS-422A, RS-485 (Use for option module)	
	AO, Remote SP	AO : 1output, 4~20 or 0~20mA DC. REM SP : 1input, 1~5 or 0~5V DC	
	ARCNET	_____	Token passing LAN, 2.5Mbps, 20nodes/network
	Servo drive	_____	20~100V AC, 50/60Hz SSR drive : 1A AC MAX
Power supply	Rated power voltage	100~240V AC 50/60Hz	
	Power consumption	6VA (100V AC), 10VA (200V AC)	
Construction	Dimensions	48(W) x 96(H) x 100(D)	96(W) x 96(H) x 100(D)
	Weight	About 450g	About 500g
	Environ-mental conditions	Normal operating conditions Ambient temperature : -10~55°C Ambient humidity : 20~90%RH	

## ■ DIMENSIONS



## ■ PERIPHERAL UNIT

GS3000R  
Thyristor unit



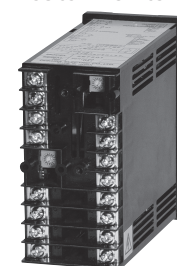
GU2201C  
Gate unit



GU2301C  
Gate unit



ZE7201  
Heater monitoring unit



Do not install this device before consulting instruction manual



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Specifications are subject to change without notice.  
For further information, a quotation or a demonstration please contact to: