

# E5\_N Control

**OMRON**  
the problem solvers™

## with easy SYS-Config setup

Combine Omron's E5\_N family of temperature controllers with the SYS-Config programming software for precise control, advanced functionality, and quick setup times that help to master any of your control applications.

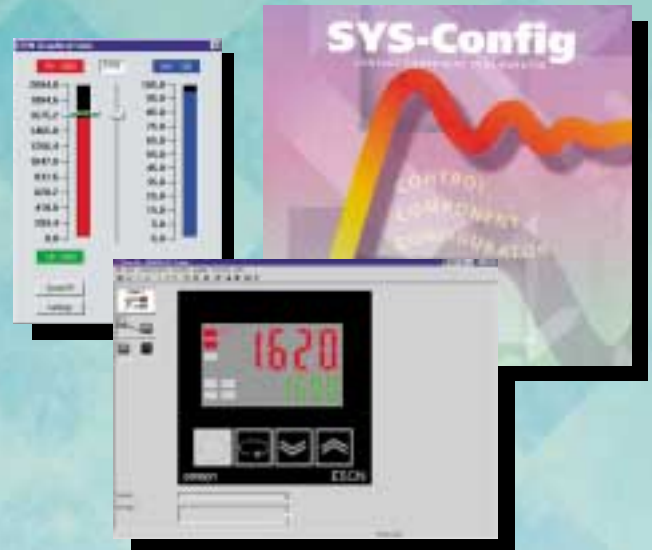
**One family fits  
all your needs**



The E5\_N family fits anywhere in your operation. All feature water-resistant NEMA4X construction, RS-485 communications for multi-drop networks, and the right DIN size (1/32, 1/16, 1/8, and 1/4) for your panel. Choose the best size for your application without compromising on functions. The tiny 1/32 DIN offers the same functionality and power as the larger 1/4 DIN model, and all models use the SYS-Config software.

- ◆ Bright, dual displays
- ◆ ON/OFF or PID control
- ◆ Accuracy:  $\pm 0.5\%$  of indicated value,  $\pm 1$  digit
- ◆ Meets UL/CSA/CE standards
- ◆ Heat/cool or heat only control
- ◆ 0-3 alarm points (depending on model)
- ◆ Auto-tuning
- ◆ Fuzzy self-tuning optimizes response times by automatically adjusting all control parameters for maximum performance and accuracy
- ◆ Multiple inputs and outputs
- ◆ 3-year warranty

**The quickest way  
to startup**



SYS-Config programming and monitoring software shortens setup time for Omron's process and temperature controllers and digital panel meters. This Windows®-based package is user friendly and gives you the flexibility of remote configuration and monitoring via a PC. It is ideal for OEMs programming multiples of the same controller or several different controllers. The configuration wizard and parameter pages give the novice and more advanced user different setup options that are tailored to their experience level and required setup detail. Once the setup is complete, operators can collect and store the data for future reference. SYS-Config also lets you do data logging and trending.

- ◆ Supports E5\_N series, multi-loop E5ZE, E5\_K, E5\_J, and K3N series controllers
- ◆ Allows users to fine-tune PID
- ◆ Available in English, Spanish and Japanese from the same CD-ROM
- ◆ Shows front panel settings of the model that you are programming



## E5\_N Controller Features

<b>Rated supply voltage</b>	24 VAC/DC; 100 to 240 VAC
<b>Display</b>	7-segment digital display, backlit negative transmissive LCD
<b>Number of digits displayed</b>	PV: 4 digits; SV: 4 digits
<b>Control output</b>	Relay: SPST-NO; Voltage output: 12 VDC(PNP); Analog current: 4-20 mA (except E5GN)
<b>Input type</b>	Thermocouple types: K, J, T, E, L, U, N, R, S, B or ES1A infrared sensor; Platinum resistance thermometer Pt100, JPt100; Analog input (0-50mV)
<b>Communications function</b>	RS-485
<b>Approved standards</b>	UL, CSA; Conforms to EN 61010-1 (IEC 61010-1); Conforms to VDE 0106/P100; CE marking compliance
<b>Supply voltage</b>	100 to 240 VAC or 24 VAC/VDC



## System Requirements

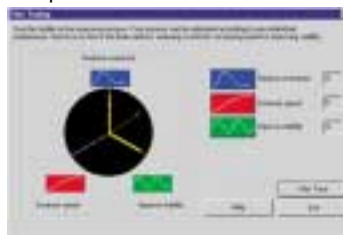
- MS Windows® 95/98/NT4
- Pentium® 90MHz, or higher
- 16MB RAM (32MB recommended)
- 15MB hard disk space
- 800 x 600 at 256 colors graphics video support
- CD-ROM drive



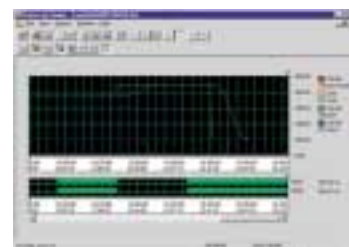
Configuration wizard speeds installation time.



Personal fine tuning adjusts PID parameters.



Data logging and trending information is automatically recorded.



Parameter information can be quickly edited and saved.

## Typical Applications

- ◆ Packaging and heat sealing machines
- ◆ Industrial processing ovens
- ◆ Plastic molding and injection machines
- ◆ Semiconductor forming machines
- ◆ Fryers and bakery ovens
- ◆ Food and beverage processing

**OMRON**  
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