

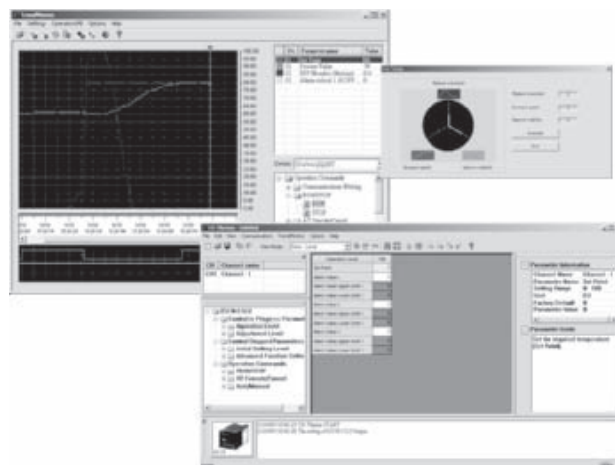
## CX-Thermo Support Software Ver. 4.0

**EST2-2C-MV4**

## Monitoring/Setting Support Software for E5CN/CN-H, E5AN/AN-H, E5EN/EN-H, E5ZN, E5□R/□R-T, and EJ1 Temperature Controllers Enabling Faster Parameter Setup, Device Adjustment, and Maintenance



- Enables editing and batch-downloading parameters from a personal computer, reducing the work required to set parameters. Usability is improved with table-formatted parameter editing from version. 4.0.
- Supports Trend Monitoring:  
Monitor data (PV,SP,MV,PID parameter, Alarm ON/OFF, etc.) for up to 31 E5□N/□N-H Temperature Controllers.  
Connect up to 64 EJ1N, 17 EJ1G, or 16 E5ZN Temperature Controllers. (The Temperature Controllers must be from the same series.)
- Supports parameter masks to hide parameters unnecessary to display. (Supported only by the E5□N/□N-H and E5□R/□R-T).
- Logic operations enable setting inputs from external inputs (event inputs) or temperature status, outputs to external outputs (control or auxiliary outputs), and changing operating status with ON/OFF delays.  
(Supported only by the E5□N/□N-H).
- Easy adjustment of control performance by fine-tuning.  
\* Fine-tuning instructs the CX-Thermo to calculate a PID parameters by directly inputting commands to improve response.



## Ordering Information

### List of Models

Name	Model
CX-Thermo Support Software	EST2-2C-MV4

## Specifications

<b>Compatible devices</b>	<b>Temperature Controllers</b>	E5CN (from April 2004) E5AN, E5EN (from Feb 2005), E5CN-H, E5AN-H, E5EN-H E5AR, E5ER, E5AR-T, E5ER-T E5ZN EJ1N-TC4, EJ1N-TC2, EJ1N-HFU (CeliuX <sup>®</sup> ) EJ1G-TC4, EJ1G-TC2, EJ1G-HFU (CelciuX <sup>®</sup> Gradient Temperature Control) G3ZA (only when connected to EJ1N-TC4, EJ1N-TC2, EJ1G-TC4, EJ1G-TC2) <b>Note:</b> Models with DeviceNet communications are not supported.
<b>Personal computer system requirements</b>	<b>OS</b>	Windows 2000 (service pack 3 or higher), XP, or Vista (Japanese or English version)
	<b>CPU</b>	300 MHz min.
	<b>Memory</b>	128 MB min.
	<b>Harddisk</b>	300 MB min. available space
	<b>CD-ROM</b>	One CD-ROM drive min.
	<b>Monitor</b>	SVGA (800 × 600) min.
<b>Connection method</b>	<b>Communications ports</b>	<ul style="list-style-type: none"> <li>• RS-232C port, or USB port, 1 port min.</li> </ul>
		<ul style="list-style-type: none"> <li>• An E58-CIFQ1 USB-Serial Conversion Cable is required to connect a computer to the setup tool port the E5□N, E5□N-H, or EJ1.</li> <li>• A K3SC Interface Converter is used to connect a computer to models with RS-422/RS-485.</li> <li>• An E58-CIFIR USB-Infrared Conversion Cable is required to wirelessly connect a computer to models with infrared communications (E5AN-H or E5EN-H).</li> </ul>

Note: "E5□N" indicates the upgraded versions of the E5CN, E5AN, and E5EN.

ThermoMini Parameter Copying Software is provided free-of-charge.

available on the Omron Europe Web or use the direct link <http://www.omron-compo.com/tm2/en/index.php>

**Compatible Temperature Controllers:**

- E5CN (produced after March 2004)
- E5EN/E5AN (produced after February 2005)

**Functions:**

- Uploading all parameters from the E5□N to the personal computer
- Downloading all parameters from the personal computer to the E5□N
- Saving uploaded data to the personal computer and convert data as CSV files
- Changing parameters one-by-one "on-line"

Note: Monitoring is not supported.

Contact your OMRON representative for details.



Note: The product names in this catalog are trademarks or registered trademarks of the respective companies.

- The application examples provided in this catalog are for reference only. Check functions and safety of the equipment before use.
- Never use the products for any application requiring special safety requirements, such as nuclear energy control systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, or other application involving serious risk to life or property, without ensuring that the system as a whole has been designed to address the risks, and that the OMRON products are properly rated and installed for the intended use within the overall equipment or system.

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. H131-E2-05-X

**In the interest of product improvement, specifications are subject to change without notice.**

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