

From temperature sensing
to heat load switching

CONTROLLERS & SSR'S

Omron's perfect partnership



OMRON



Omron is the world's largest supplier of temperature controllers. This product range is unrivalled, and includes everything from the simplest controllers to advanced communication units that help you master any control application. What sets these temperature controllers apart from competition is that they include Omron's legendary control performance and reliability, superb quality, and compact dimensions as standard. Omron also offers a comprehensive range of solid-state relays (SSRs) that provides the perfect load switching for temperature control applications.

Omron's temperature controllers and solid-state relays - a powerful combination!



These SSRs are a fast reliable and cost-effective partner to our temperature controllers. Combinations of temperature controller and SSR are available to handle almost any application, including heater bands for plastics extrusion processes, packaging machinery and heater elements in general manufacturing. Only Omron could bring you such a product choice, and all from one supplier!



- **Omron's quality and reliability built-in**

- *Designed and tested to Omron's renowned high standards, each product in this range meets all relevant international standards and provides consistently superb quality throughout its working life.*

- **Total hardware supplier**

- *Omron's huge product portfolio ensures that there's always a product available to handle your specific application!*

- **Complete solutions provider**

- *Omron's drive for continuous development and use of innovative technologies, combined with its strict quality first policy and just-in-time delivery of components and solutions, makes us the ideal business partner for even the most demanding user.*

The world's No. 1 manufacturer of temperature controllers...

Omron's temperature controllers range from units that are suitable for simple temperature applications, through to advanced controllers complete with programmable profiles and communications.

Features include:

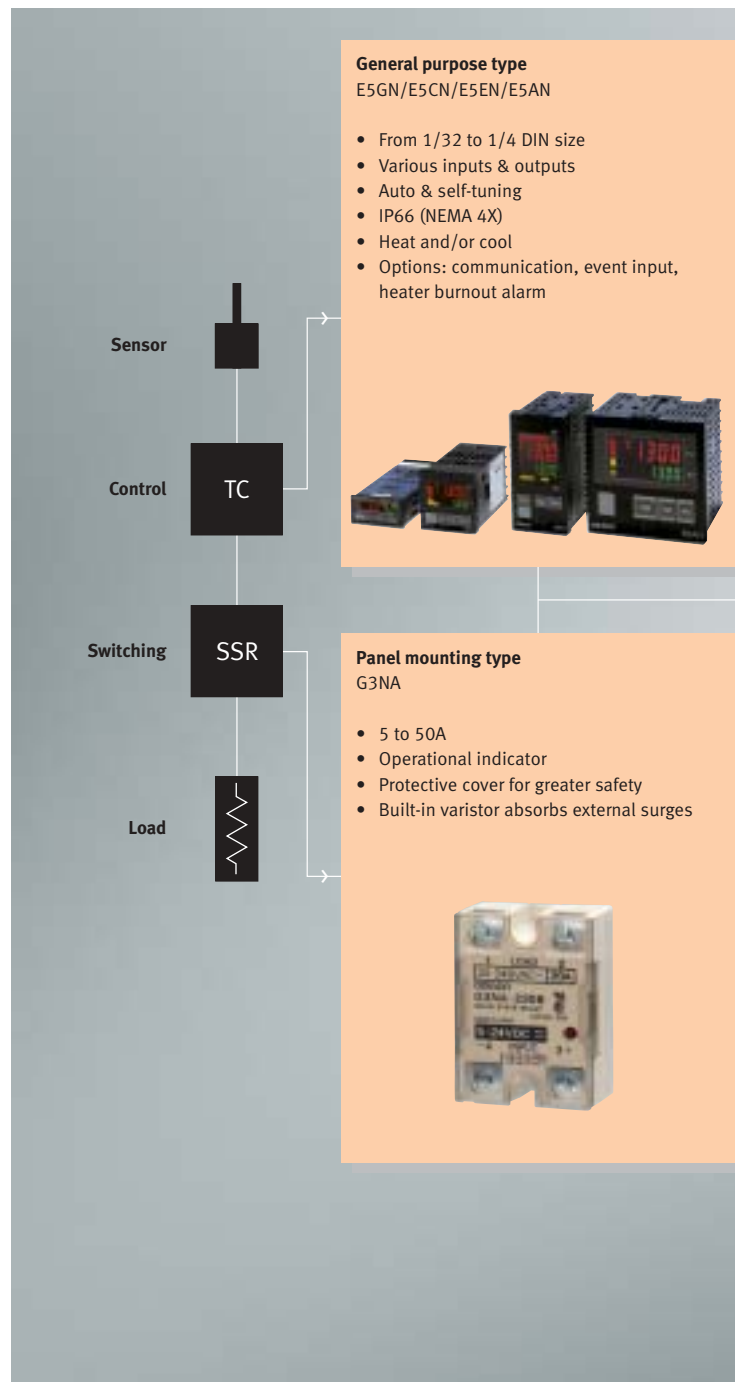
- Wide range of heating and cooling control
- Variety of selectable input ranges
- Auto-tuning and self-tuning options for optimum control
- Parameter linked colour change display
- Conformance to all relevant standards (including CE, UL, IEC & CSA)

... brings you the added benefits of solid-state relays!!

Temperature controllers often need SSRs for the control of heating processes, and that's where Omron's SSRs come in! Omron has an SSR for almost every application.

Features include:

- Replaceable, easy-to-install power device cartridges assures ease of maintenance
- Zero cross AC load switching
- Built-in heat sinks
- For use in single- and three-phase applications
- SSRs compatible with G2RS, MYS, LY & MK Electro-Mechanical relays
- Space saving
- Operational indicator
- Built-in surge suppression
- Cycle control, AC input, voltage, short-circuit and failure detection modules available
- Conformance to all relevant standards (including CE, UL, IEC & CSA)



Universal + programmer type
E5CK/E5EK/E5AK

- From 1/16 to 1/4 DIN size
- High accuracy
- Modular, one stock type
- Advanced fuzzy tuning
- Programmable profile type available
- IP66 (NEMA 4X)



High-performance type
E5ER/E5AR

- High accuracy (0,01°C Pt100)
- Fast sample and control (50ms)
- Up to 4 loops in one box
- Easy setting



Modular in-panel type
E5ZN

- 2 loops in one 22,5 mm wide module
- Module + socket (replace without rewire)
- Communication standard (FIELDBUS option)
- Voltage (SSR), transistor & current output
- Heater burnout or retransmission



Panel mounting type
G3NE

- 5 to 20A
- Compact size
- Quick connect terminals
- Built-in varistor absorbs external surges



Panel mounting type
G3PA/G3PB/G3NH

- 10 to 150A
- Replaceable power cartridges
- Built-in heat sinks
- Single and three-phase types



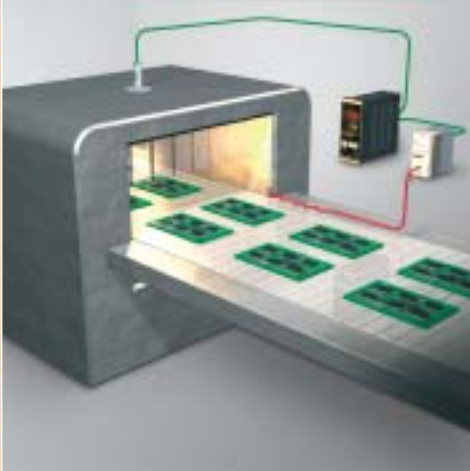
Socket mounting type
G3B/G3F/G3R/G3H

- 2 to 5A
- Compatible with G2RS, MYS, LY & MK Electro-Mechanical relays
- DIN rail mounting via sockets
- Space saving

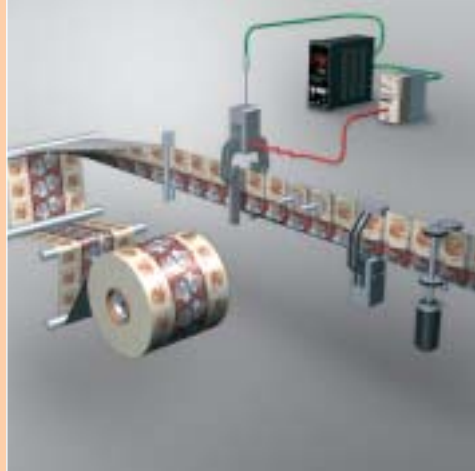


The perfect solution for:

- packaging
- industrial ovens
- plastic moulding
- food and beverage processing
- fryers and bakery ovens
- semiconductor forming machines



PCB soldering



Packaging form and seal



Plastic parts production



Bread baking ovens

OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. Tel: +31 (0) 23 568 13 00 Fax: +31 (0) 23 568 13 88 www.europe.omron.com

Austria

Tel: +43 (0) 1 80 19 00
www.omron.at

Belgium

Tel: +32 (0) 2 466 24 80
www.omron.be

Czech Republic

Tel: +420 267 31 12 54
www.omron.cz

Denmark

Tel: +45 43 44 00 11
www.omron.dk

Finland

Tel: +358 (0) 9 549 58 00
www.omron.fi

France

Tel: +33 (0) 1 49 74 70 00
www.omron.fr

Germany

Tel: +49 (0) 2173 680 00
www.omron.de

Hungary

Tel: +36 (0) 1 399 30 50
www.omron.hu

Italy

Tel: +39 02 32 681
www.omron.it

Netherlands

Tel: +31 (0) 23 568 11 00
www.omron.nl

Norway

Tel: +47 (0) 22 65 75 00
www.omron.no

Poland

Tel: +48 (0) 22 645 78 60
www.omron.com.pl

Portugal

Tel: +351 21 942 94 00
www.omron.pt

Russia

Tel: +7 095 745 26 64
www.russia.omron.com

Spain

Tel: +34 913 777 900
www.omron.es

Sweden

Tel: +46 (0) 8 632 35 00
www.omron.se

Switzerland

Tel: +41 (0) 41 748 13 13
www.omron.ch

Turkey

Tel: +90 (0) 216 474 00 40
www.omron.com.tr

United Kingdom

Tel: +44 (0) 870 752 08 61
www.omron.co.uk

For the Middle East, Africa and other countries in Eastern Europe, Tel: +31 (0) 23 568 13 00 www.europe.omron.com

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- Safety relays • Safety sensors

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