

# E5CSV temperature controller

Ready, set, go!



- » Perfect control
- » Easy setting up
- » Enhanced functionality

Advanced Industrial Automation

**OMRON**

# Perfect temperature control in 4 simple steps



The E5CSV temperature-controller series is the enhanced successor to our E5CS series, the most widely sold temperature-controller that has established itself throughout the world as the ideal choice for simple, cost-effective temperature control.

### Keeping the best...

The new series shares many of the outstanding features that made its predecessor such a success – including easy setting-up using DIP and rotary switches, a large 7-segment LED display and choice of ON/OFF or PID control with Self-Tuning. What's more, it still provides an indication of output and alarm status and direction of deviation from set point.

**1** Select



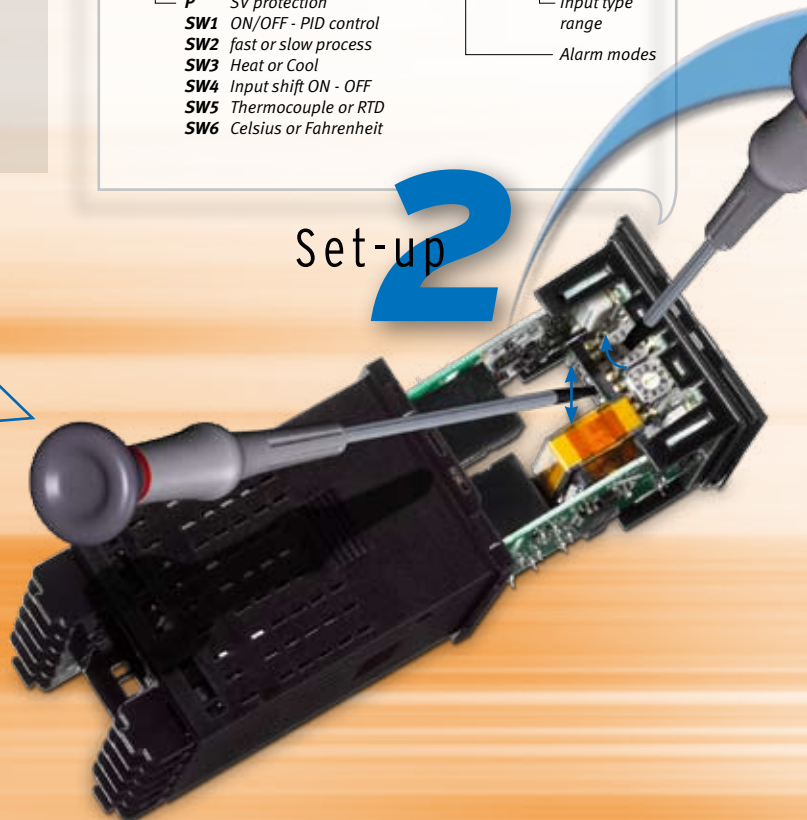
100-240 VAC		24 VAC/VDC	
Relay output	Voltage (pulse) output	Relay output	Voltage (pulse) output

**Functional set-up**

- P** SV protection
- SW1** ON/OFF - PID control
- SW2** fast or slow process
- SW3** Heat or Cool
- SW4** Input shift ON - OFF
- SW5** Thermocouple or RTD
- SW6** Celsius or Fahrenheit

Input type range  
Alarm modes

**2** Set-up





**Packing**

Excellent control, especially in this disturbance-sensitive application.



**Frying**

The flat front makes the use of the E5CSV hygienic and it's easy and safe to clean thanks to its IP66 rating.



**Sealing**

Clear indication that the correct temperature has been reached thanks to the deviation indicator.

**Enhancing the rest...**

Building on the success of the previous E5CS, however, the new E5CSV series offers much more. Like an Auto-Tune function and the fact that as standard you can now select multiple input types (thermocouple/RTD). A new 3.5 digit display also means that E5CSV can show a larger range, now extending up to 1999 °C. The series also meets new RoHS requirements and complies with the stringent IP66 standard. What's more, depth has been reduced to a mere 78 mm.

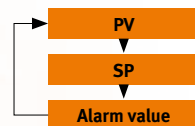
**Benefits of E5CSV temperature controllers:**

- Easy setting-up using DIP and rotary switches
- Meets broad range of basic temperature-control requirements with only 4 models
- No expert knowledge needed to optimise performance because of Self- and Auto-Tuning functions
- Reduced chance of malfunction thanks to set-value protection
- End-user friendly since the menu only has 3 parameters
- Excellent legibility with a large (13.5 mm) single-line, 3.5 digit, 7 segment LED display
- Clear status overview thanks to PV-SV deviation indicator, output and alarm indicator
- Easy connection to a broad range of temperature-sensor types



Mount

**3**



Adjust

**4**

>> Ready...

>> Set...

>> Go!



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