

## E5\_N-H SERIES

Proven concept with process control features



» Fast and accurate

» **Versatile**

» Highly flexible

# Taking the N series to process control level

*Acknowledged as the best temperature controllers for general applications on the market today, the E5\_N series is now joined by the new E5\_N-H series, taking proven features to the process control level. The same menu structure ensures that installation and operation is just as easy. But accuracy, speed and process control features are improved. In short, the process specifications of the new E5\_N-H provide you with the flexibility that gives your application that special edge.*

## Process control features

The new E5\_N-H is based on our vast experience with advanced controllers like the E5\_K series. As a result, it offers all the proven features of the E5\_N series plus much more.



### More speed and accuracy

Providing better process control

- Input sampling 60 ms
- Input accuracy 0.1% PV
- Output resolution > 10,000



### More versatility

One unit covers all applications

- Universal input (Pt, t/c, mA, V)
- Replaceable output modules (Relay, Volt, Current, Pulse and SSR)



### More flexibility

For use in process applications

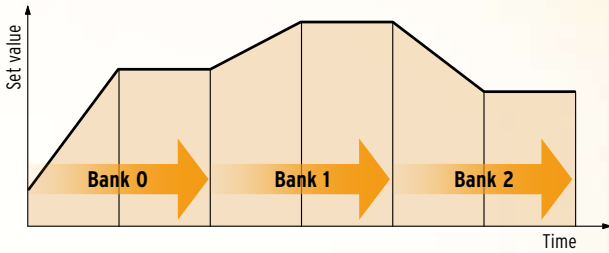
- Remote SP and transfer option
- IR programming port on the front
- Up to 4 digital event inputs
- Full 3 line, 5 digit display
- Banks, which can hold operation parameters like PID, alarm thresholds and setpoints



# Process control applications

## Time based process applications

Banks are used to create recipes. Next to PID and alarm settings, the banks can also hold soak times to create an SV program.



## Applications with a logic strategy

Like a PLC's ladder, the E5\_N-H has 8 logic registers to perform logic switching, optionally with switching delays. It is very useful with pumps, where a minimum ON time is required.



## Valve applications

Precise valve control is possible with or without potentiometer feedback. To connect differential pressure flow meters, square root extraction is possible on the input.



# Communications for process control



**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.industrial.omron.eu](http://www.industrial.omron.eu)

**Austria**

Tel: +43 (0) 2236 377 800  
[www.industrial.omron.at](http://www.industrial.omron.at)

**Belgium**

Tel: +32 (0) 2 466 24 80  
[www.industrial.omron.be](http://www.industrial.omron.be)

**Czech Republic**

Tel: +420 234 602 602  
[www.industrial.omron.cz](http://www.industrial.omron.cz)

**Denmark**

Tel: +45 43 44 00 11  
[www.industrial.omron.dk](http://www.industrial.omron.dk)

**Finland**

Tel: +358 (0) 207 464 200  
[www.industrial.omron.fi](http://www.industrial.omron.fi)

**France**

Tel: +33 (0) 1 56 63 70 00  
[www.industrial.omron.fr](http://www.industrial.omron.fr)

**Germany**

Tel: +49 (0) 2173 680 00  
[www.industrial.omron.de](http://www.industrial.omron.de)

**Hungary**

Tel: +36 1 399 30 50  
[www.industrial.omron.hu](http://www.industrial.omron.hu)

**Italy**

Tel: +39 02 326 81  
[www.industrial.omron.it](http://www.industrial.omron.it)

**Netherlands**

Tel: +31 (0) 23 568 11 00  
[www.industrial.omron.nl](http://www.industrial.omron.nl)

**Norway**

Tel: +47 (0) 22 65 75 00  
[www.industrial.omron.no](http://www.industrial.omron.no)

**Poland**

Tel: +48 (0) 22 645 78 60  
[www.industrial.omron.pl](http://www.industrial.omron.pl)

**Portugal**

Tel: +351 21 942 94 00  
[www.industrial.omron.pt](http://www.industrial.omron.pt)

**Russia**

Tel: +7 495 648 94 50  
[www.industrial.omron.ru](http://www.industrial.omron.ru)

**South-Africa**

Tel: +27 (0)11 579 2600  
[www.industrial.omron.co.za](http://www.industrial.omron.co.za)

**Spain**

Tel: +34 913 777 900  
[www.industrial.omron.es](http://www.industrial.omron.es)

**Sweden**

Tel: +46 (0) 8 632 35 00  
[www.industrial.omron.se](http://www.industrial.omron.se)

**Switzerland**

Tel: +41 (0) 41 748 13 13  
[www.industrial.omron.ch](http://www.industrial.omron.ch)

**Turkey**

Tel: +90 216 474 00 40  
[www.industrial.omron.com.tr](http://www.industrial.omron.com.tr)

**United Kingdom**

Tel: +44 (0) 870 752 08 61  
[www.industrial.omron.co.uk](http://www.industrial.omron.co.uk)

**More Omron representatives**  
[www.industrial.omron.eu](http://www.industrial.omron.eu)

*Authorised Distributor:*

**Control Systems**

• Programmable logic controllers • Human-machine interfaces • Remote I/O

**Motion & Drives**

• Motion controllers • Servo systems • Inverters

**Control Components**

• Temperature controllers • Power supplies • Timers • Counters • Programmable relays  
• Digital panel indicators • Electromechanical relays • Monitoring products • Solid-state relays  
• Limit switches • Pushbutton switches • Low voltage switch gear

**Sensing & Safety**

• Photoelectric sensors • Inductive sensors • Capacitive & pressure sensors  
• Cable connectors • Displacement & width-measuring sensors • Vision systems  
• Safety networks • Safety sensors • Safety units/relay units • Safety door/guard lock switches