



NEW MODEL 450:

THE SIMPLEST TEMPERATURE CONTROLLER

Easy PC programming

- > PID, Self-tuning, Auto-tuning, Soft-start, Man/Auto function
- > Universal input
- > 2 relay and/or logic outputs
- > Loop break alarm
- > Mechanical size: 48x48x100 mm



Control stability
Easy and quick installation
Standard control loop diagnostics

The model 450 is Gefran's new PID temperature controller, ideal for controlling heating and cooling processes in industrial applications.

GF_Express is the free software configurator tool for model 450 that makes the configuration of the functioning parameters (max. 10) easier and quicker.

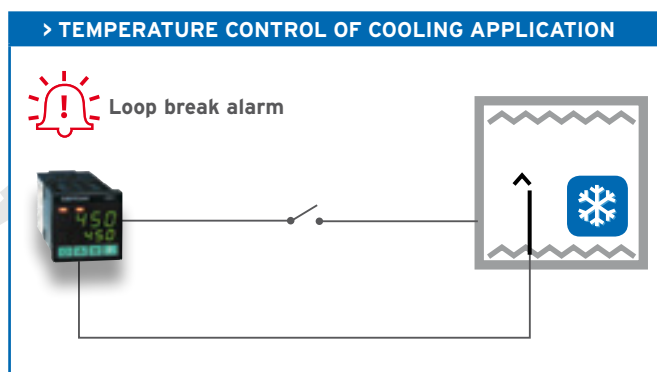
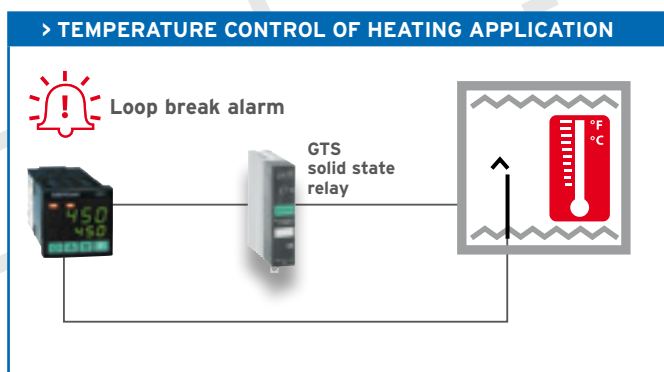


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> MAIN FEATURES

Functions

- > PID, Self-tuning, Auto-tuning, Soft-start, Man/Auto function
- > Accuracy: 0.2% of span
- > Sampling time: 120msec.

Inputs

- > Configurable universal input
- > Input type: TC - RTD

Outputs

- > Relay and/or logic control output with heat or cool function
- > 1 alarm with completely configurable function

Power supply

- > 100...240VAC $\pm 10\%$
- > 11...27VAC/DC $\pm 10\%$

Configurability

- > Control parameters
- > Easy factory reset of parameters
- > PC programming

Alarms

- > Sensor break
- > Loop break
- > High/low temperature

Mechanical size

- > 48x48x100 mm (1/16 DIN), IP65 rated

> ORDER INFORMATION

Model	Description	Code
450-D-R-1	1 Logic output, 1 Relay output, power supply 100...240VAC	F056773
450-R-R-1	2 Relay outputs, power supply 100...240VAC	F056774
450-D-R-0	1 Logic output, 1 Relay output, power supply 11...27VAC/DC	F056775
450-R-R-0	2 Relay outputs, power supply 11...27VAC/DC	F056776

Should you need any further information about model 450 and its applications, please contact us or visit our website: www.gefran.com!



GEFRAN Spa

via Sebina, 74 - 25050 Provaglio d'Iseo (BS) Italy
Ph. +39 03098881 - Fax +39 0309839063 - www.gefran.com

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