

Temperature Control and Protection

Leading thermal control technology
for household appliances and heating systems



INTER CONTROL – Reliable Innovations

CONTROL | REGULATE | PROTECT

INTER CONTROL is an independent family business headquartered in Germany. We have been committed to business continuity and partnership since our foundation in 1964. Our employees and management focus on innovative technology, simplicity and modularity in design, efficient processes and automated manufacturing methods.

In this way we assist our customers in household appliances businesses, worldwide – from the idea to series production.

Product description

Controls and monitors a pre-set temperature up to 350°C

- Compact and cost-effective design
- Best temperature sensing

Interrupts current flow at a pre-set temperature

- Auto reset function (voltage maintained)
- Manual reset function

Permanently interrupts current flow at a pre-set temperature

- Fuses from 206 to 318°C (very fast thermal response)
- SOD's from 110 to 200°C

Two or three devices mounted on one base plate

Controls with fix set point



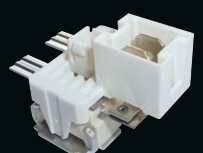
Thermostats



Thermal Limiters / Cut-Outs



Thermal Fuses / Cut-Offs and SOD's



Product Combinations and Assembly Groups

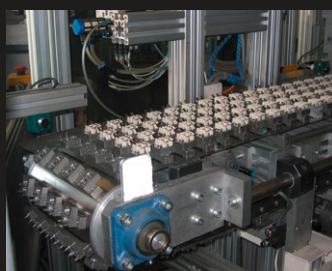
Product description

Controls and monitors an adjustable temperature

Controls with adjustable set point



Thermostats for Surface Contact and Air Temperature



Production & Supply

Automated manufacturing in Europe and Asia

- Our customers require on-time supply of safety devices with consistent high quality.
- We use latest and automated manufacturing technologies, together with in-line testing and inspection. This ensures best quality and delivery performance for large quantities.
- Constant review of production stages to improve our processes, efficiency and technical standards.



Product features and benefits

<p>Pre-loaded mechanical switch system</p>	<ul style="list-style-type: none"> - for orientation-independent use - for best temperature sensing and response times - for controlling steep temperature rises of rapid heating elements
<p>Switching system with high contact pressure</p>	<ul style="list-style-type: none"> - for lowest contact resistance - for highest resistance to vibration
<p>Robust ceramic housing Two chamber system</p>	<ul style="list-style-type: none"> - for high temperature and heat capacity - no thermal deformation of housing - stable pre-set temperature point - high electrical strengths during entire product lifetime
<p>SERIES II Compact design Enclosed contacts Optimized temperature sensing</p>	<ul style="list-style-type: none"> - for less space and higher cost-effectiveness - for higher protection against impurities - for very fast thermal response time - for rapid heating elements - 16A / 240VAC / T250
<p>One base plate Very compact</p>	<ul style="list-style-type: none"> - for uniform temperature distribution and increase - less space required - easy and time efficient installation - less product references – economic stock keeping

Product features and benefits

<p>Air and surface controls Thermostats with integrated thermal fuse Energy controls</p>	<ul style="list-style-type: none"> - suitable for a wide range of applications - application specific design - time efficient installation and cost-effective - 16A versions suitable up to 300°C - current independent
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Product Development & Customer Service

50 years of experience

- Our targets**
- Understand customers and market requirements
 - Develop innovative products with customer benefits
 - Perform outstanding customer service

- Our service**
- R&D competence centres in Europe and Asia
 - Proven design-in capabilities
 - Reduced development time and cost
 - Optimized heat management
 - In-house laboratories with latest testing equipment



Applications

Tumble dryers Rapid Heating Elements

Ovens Electric heaters Waffle irons

Egg cookers Fryers Heating Elements

Cleaning Systems Dish Washers

Baby bottle warmers Coffee machines Steamers

Sterilizers Espresso machines Water Boilers

Irons Grills Tea Makers & Samovars

Electric Hotplates Water heaters

Cooking Machines Fondues & Raclettes

Washing machines Air curtains

Room Heating Systems Storage Heater