The Danfoss Group operates globally with the primary aims of making modern living possible for our stakeholders and being a leader in refrigeration, heating, power electronics, and mobile hydraulics. We employ 24,000 people and produce approximately 250,000 components each day at our 76 factories in 25 countries.

We promise leadership in our businesses through reliability, excellence, and innovation – driving true customer satisfaction and solutions within climate and energy.

Extensive experience in all key HVAC/R segments: Danfoss plays a leading role in the research, development and production in a wide spectrum of industries, and has been a key player in the HVAC/R field for more than 75 years. Our Refrigeration & Air Conditioning Division designs, produces and markets a comprehensive range of automated solutions and components for a wide variety of HVAC/R segments, including:

- Heat Pumps
- Commercial Air Conditioning
- Residential Air Conditioning
- Commercial Refrigeration
- Household, Light Commercial and Mobile Refrigeration
- Wholesalers & Installers
- Industrial Refrigeration
- Food Retail

A world leader in climate and energy technology

Learn more at www.danfoss.com

Main Features

Ongoing development of new technology and new features is at the very heart of Danfoss. We want our switches to be among the very best on the market – living up to your expectations.

- Low differential switching: Danfoss pressure controls and thermostats have either fixed or adjustable differential settings, good readability, and high accuracy of range setting with use of the scale.
- Designed for various applications: Danfoss offers a very broad range of purpose-specific enclosures and connections.
- High reliability: All switches feature high accuracy, repeatability and stability over time.
- Snap action contacts: All contacts are snap-action, maintaining the contact force until the moment the contact breaks. Units with gold-plated contacts are ideal for low electrical loads while the AgCdO (silver cadmium oxide) contacts are developed for high loads.
- Different sensing elements: As experts in charging technologies, Danfoss offers temperature switches that operate in a wide temperature range.
- Bellows technology: The lifetime of the pressure control and thermostat is determined by the quality of the bellows. Using advanced technology and manufacturing processes, and being a world leader backed up by more than 70 years of experience in the field, Danfoss manufactures without any welding points, which make them stress-free and completely tight.

Your system will never be more reliable, with a control designed for flawless performance

Wide range of Danfoss Pressure switches and Thermostats

2 kW Reliable robust contact system operates electrical motor up to 2 kW directly without use of contactors

Range and differential easily adjustable with screwdriver

Available with manual and automatic reset. Convertible reset available in dual KP and KP types.

Accessible, visible SPDT contact system

Available with fail-safe dual bellows

Finger tip test for easy contact operation - no need to use a screwdriver

Available with fail-safe dual bellows

KP Pressure Switch

Main Features

Available with fail-safe dual bellows

FPThermastart

Different sensing elements

As experts in charging technologies, Danfoss offers temperature switches that operate in a wide temperature range.

Bellows technology

The lifetime of the pressure control and thermostat is determined by the quality of the bellows. Using advanced technology and manufacturing processes, and being a world leader backed up by more than 70 years of experience in the field, Danfoss manufactures without any welding points, which make them stress-free and completely tight.
Choose the optimal solution

### PRESSURE SWITCHES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>KP SINGLE</th>
<th>KP DUAL</th>
<th>KPU SINGLE</th>
<th>KPU DUAL</th>
<th>BT</th>
<th>MP</th>
<th>BT</th>
<th>KP</th>
<th>KPU*</th>
<th>UT</th>
<th>BT</th>
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<td>●</td>
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<td>●</td>
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<tr>
<td>Setting</td>
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<td>42 bar / 35 bar</td>
<td>46.5 bar / 17 bar</td>
<td>42 bar / 35 bar</td>
<td>42 bar / 20 bar</td>
<td>42 bar / 17 bar</td>
<td>42 bar / 20 bar</td>
<td>200 °C</td>
<td>130 °C</td>
<td>90 °C</td>
<td>300 °C</td>
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</table>

### DIFFERENTIAL PRESSURE SWITCHES

- Vertical safety switches, preventing reverse flow in refrigeration systems
- Capacitor-based differential pressure switches
- Pressure sensors for monitoring systems in high-temperature and high-pressure applications

### THERMOSTATS

<table>
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<th>Marine Applications</th>
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</table>

### Technical Specifications

- **Accessories**: Capacitor tubes, brackets, PTFE enclosure
- **Degrees of accuracy**: ±0.9°F or ±0.5°C
- **Differential pressure**: 1 bar / 1 bar
- **Refrigerants**: HFC, HCFC, R717 (NH3), HC

### Applications

- **Food Retail**: Multi-room application
- **Commercial Refrigeration**: Multi-room application
- **Air Conditioning Systems**: Multi-room application
- **Industrial Applications**: Multi-room application
- **Marine Applications**: Multi-room application

**Note**: The table and text content have been condensed for readability. The full table includes detailed specifications and options for various applications and industries.