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Danfoss 060-113366

Danfoss KP35 Pressure Switch User Manual

Model: 060-113366

1. INTRODUCTION

The Danfoss KP35 Pressure Switch, model 060-113366, is a robust and reliable component designed for industrial applications. This automatic reset pressure switch features a SPDT (Single Pole Double Throw) contact function and a regulation range from 6 inHg to 108 PSIG. It is equipped with a 1/4" G male pressure connection. This manual provides essential information for the proper installation, operation, and maintenance of your KP35 Pressure Switch.



Figure 1: Front view of the Danfoss KP35 Pressure Switch, showing the Danfoss logo and setting scales.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the KP35 Pressure Switch. It is recommended that installation be performed by qualified personnel.

2.1 Mounting

Ensure the mounting location is stable and free from excessive vibration. The switch should be mounted in an environment consistent with its IP00 International Protection Rating, meaning it offers no protection against solid objects or water ingress. Consider an appropriate enclosure if the operating environment requires higher protection.

2.2 Pressure Connection

The KP35 features a 1/4" G male pressure connection. Connect the switch securely to the pressure line using appropriate fittings and sealing methods to prevent leaks. Ensure the system is depressurized before making any connections.



Figure 2: Side view of the KP35 Pressure Switch, highlighting the 1/4" G male pressure connection.

2.3 Electrical Connection

The switch utilizes a SPDT (Single Pole Double Throw) contact function with screw terminals. Refer to the wiring diagram provided with the product for correct electrical connections. Ensure all power is disconnected before wiring to prevent electrical shock.

3. OPERATING INSTRUCTIONS

The Danfoss KP35 Pressure Switch operates automatically to control pressure within its specified range.

3.1 Setting the Pressure Range

The KP35 has a regulation range of 6 inHg to 108 PSIG (0.2 to 7.5 bar). The setting mechanism is visible on the front of the switch. Use a suitable tool to adjust the setpoint and differential according to your application's requirements. The switch will automatically reset once the pressure returns to the desired level.



Figure 3: Close-up view of the KP35's setting scales for range and differential, indicating values in bar, psig, and inHg.

3.2 Automatic Operation

Once the setpoint and differential are configured, the switch will automatically activate or deactivate its contacts based on the monitored pressure. The

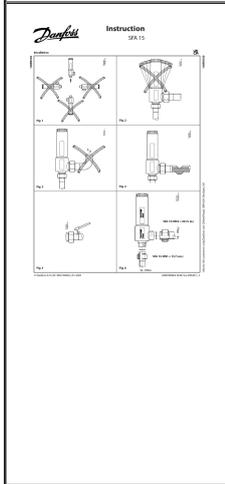
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	<p>Danfoss Thermostat Type KP 98 Installation Guide Comprehensive installation guide for the Danfoss Thermostat Type KP 98 (cross ambient). Covers technical specifications, mounting, electrical connections, testing, setting adjustments, and locking mechanisms.</p>
	<p>Danfoss RT 112W Pressure Switch Installation Guide This guide provides essential information for installing and setting up the Danfoss RT 112W pressure switch, including technical specifications, mounting instructions, and electrical connection details.</p>



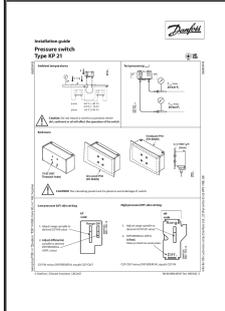
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Installation guide for the Danfoss KP 21 pressure switch. Learn about ambient temperature limits, enclosure types (IP30, IP44), test pressure ratings, and detailed instructions for setting the low and high pressure sides. Includes contact load specifications and wiring information for electrical connections.



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