

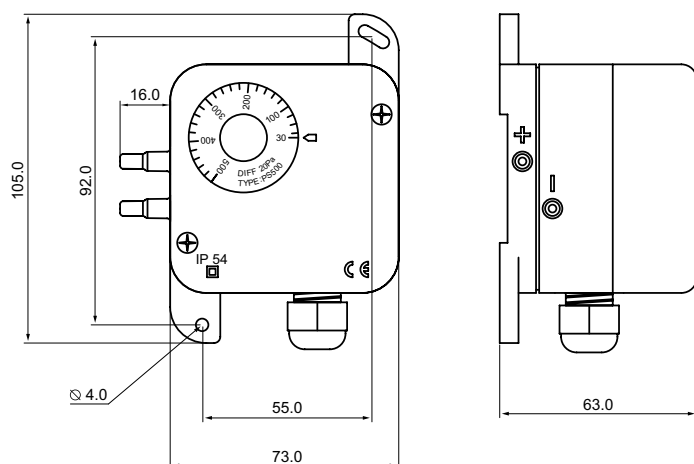


Pressure switch PSH

Description

The differential pressure sensor informs about a decrease in air flow due to a pressure difference, e.g.: a dirty filter or a defective fan, protects against overheating of electric heaters, regulation and protection in fire protection systems, protection against frost of heat exchangers. Connection cable, switching potential-free contacts.

Technical drawing

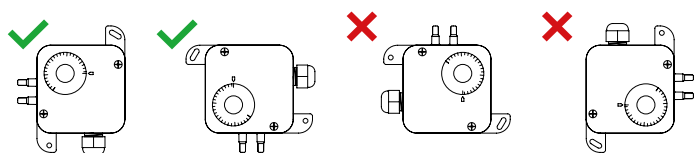


Technical specifications

Operating range	PSH 300: 30 - 300 Pa PSH 600: 40 - 600 Pa
Measurement accuracy	±8 Pa at low limit, ±15% at high limit
Switching difference	PSH 300: 25 Pa PSH 600: 35 Pa
Maximum operating pressure	50 kPa
Temperature range	operating temperature: -20°C ... +60°C storage temperature: -20°C ... +85°C
Air humidity	0...95% (relative, without condensation)
Dimensions (w x h x dpt)	90 x 105 x 63 mm
Weight	150 g
Protection class	IP54
Connections	male connector Ø 5,0 mm
Electrical connections	3 screw terminals (0,2 - 1,5 mm ²)
Power supply	250 VAC, 3 A (rez.), 2 A (ind.)

NOTE: Standard equipment includes a 2-metre PVC hose and 2 plastic connectors.

The installation of the device



Duct temperature sensor TJK10K



Description

A duct temperature sensor, equipped with a NTCK10 thermistor (10 kΩ resistance at 25°C) for excellent temperature stability. The measuring element was built in a special tube made of plastic. The depth of the sensor installation in the duct can be adjusted according to the needs thanks to the movable mounting flange. Protection class IP20, cable length 1.5 m.

Technical specifications

Operating range	-30°C...+105°C
Length	1500 mm (tube 200 mm)
Diameter	7,5 mm

Single- or two-phase heater controller HRK1



Description

HRK 1 is a microprocessor-based PID controller, designed to work only with electric heaters with a power supply of 1~230V and 2~400V (2-phase). Do not use the HRK controller to regulate the operation of electric motors, lighting and heaters with a power supply of 3~400V (3-phase). The controller is equipped with an automatic voltage detection function. The time between switching the heater on and off is automatically adjusted by the controller to maintain the set temperature. The controller has a built-in temperature sensor, but it can also work with external sensors. The air temperature value can be limited to the minimum and maximum values - this requires the connection of 2 external sensors according to the diagram. HRK1 automatically detects the connected sensors and selects the appropriate operating mode. The controller has a night mode, which allows it to reduce the set temperature by 0...10°C. This function requires an external timer. HRK1 has an angle sensor between phase and zero to protect against RFI interference.

Technical specifications

Maximum adjustable load [kW]	6,4/400V ; 3,2/230V
Minimum adjustable load [kW]	0,4/400V ; 0,23/230V
Maximum adjustable current [A]	16
Minimum adjustable current [A]	1
Voltage [V]	230 - 415
Frequency [Hz]	50 - 60
Phases	1~230V / 2~400V
Dimensions [mm]	150 x 80 x 45
Protection class	IP20
Room temperature [°C]	30 max.
Ambient humidity	90% max
Ambient temperature [°C]	0 - 30