



Three-phase heater controller HRK3

Description

HRK3 is a microprocessor-based power controller of the electric heater. Do not use the HRK3 controller to adjust the operation of electric motors and lighting. HRK3 allows you to adjust the heater with a power of up to 15kW. In addition, the regulator has a relay output with a contactor, allowing it to connect a load of 12 kW. The total allowable load of the controller is 27 kW.

HRK3 automatically adjusts the control mode to match the dynamics of the subject. In case of rapid temperature changes, e.g. ventilation temperature control, the controller will work as a PI (proportional-integral) type regulator. For slow temperature changes, e.g. room temperature control, the controller will operate as a P (proportional) regulator. The controller has a night mode, which allows it to lower the set temperature by 0..10°C. This function requires an external timer.

Technical specifications

Maximum adjustable load [kW]	15
Extra adjustable load [kW]	12
Total adjustable load [kW]	27
Maximum adjustable current [A]	25
Voltage [V]	3x230 / 3x400
Frequency [Hz]	50 - 60
Phases	3~
Dimensions [mm]	105 x 260 x 120
Fuse [A]	2 x 0,315
Protection class	IP20
Room temperature [°C]	0 - 40
Ambient humidity	90% max
Heat dissipation [W]	50

Electrical room thermostat HTS



Description

The thermostat can be used to adjust both heating and cooling. Temperature measurement by internal or external sensor. Selectable set point range and sensor hysteresis.

The external temperature sensor must be purchased separately.

Technical specifications

Input voltage	230V
Relay output	6A / 230V
Cycles	60000
Hysteresis	1...3 °C
Adjustment range	0..30°C lub 0..60°C
External temperature sensor	TJK 10K (NTC 10K 10kΩ @ 25°C)
Insulation class	II
Protection class	IP20
Cover material	Material from group IIIa
Dimensions (H x W x Dpt)	71 x 71 x 25 mm
Ambient humidity	90% max
Heat dissipation [W]	50

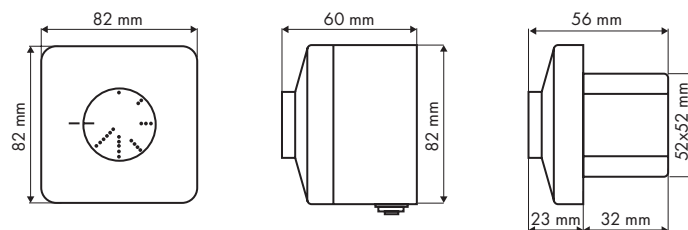
Electronic speed controller HRX



Description

The electronic fan speed controller for single-phase motors enables smooth adjustment of the efficiency of the control panel or a fan. Surface or flush mounting possible.

Technical drawing



Technical specifications

Model	Voltage [V]	Current [A]	Weight [kg]
HRX 1.0	1x230	1,0	0,32
HRX 2.5	1x230	2,5	0,32
HRX 4.0	1x230	4,0	0,32



External temperature setpoint HR5K

Description

The HR5K external temperature setpoint can be used with HRK1 and HRK3 controllers as a remote temperature setting point. HR5K is used when the installation of the regulator in a given location is impossible for safety, aesthetic or other reasons resulting from the design. Surface-mounted.

Technical specifications

Potentiometer	5 kΩ
Setting range	0..30°C
Protection class	IP20
Dimensions [H x W x Dpt]	71 x 71 x 25 mm