Control Accessory RZ

Special features:

• Connection to Rekumat burners (RB) or Rekumat radiant tube burners (RS)

• Screw type or mounting rail fastening

• Overtemperature input

• Power dosing input

• Adjustable burner on time

• Function display by LEDs

Function:

The Control Accessory is used in connection with a Rekumat burner (RB) or Rekumat radiant tube burner (RS) to calculate the switch on time of the built-in two-posi-tion controller in the controlled member. The ON time of the burner corresponds to the process conditions. An analog input is available for a power dosing (RS) or overtemperature monitoring (RS, RB). The control accessory is equipped with a microprocessor which calculates the power requirements. Different function versions are available.

Technical Data

RZ-RS (Rekumat radiant tube burner)

Construction:

Plastic housing with open terminals, alternatively with screw fastening (DIN 46121) or snap fastening (mounting rail DIN 46277)

Dimensions:

150 x 70 x 112 mm (W x H x D)

Installation position: any

Auxiliary voltage:

115/230 Vac/50-60 Hz

Power consumption:

approx. 8 VA

Input:

• Controller contact (working contact):

The contact must be potential-free and is loaded with approx. 20 mA

• Analog input:

Thermoelement NiCr-Ni with automatic reference point compensation

Output:
1 radiant tube burner connection (one changeover contact each for the solenoid valves "Gas" and "Air").
The contacts are potential-free and can be loaded
with a max. 1 A / max. 250 Vac or max. 0,2 A / 125 Vac, max. 2 A / 30 Vdc according to type.

Burner ON time in all-round operation:
30 s (adjustable between 23 and 37 s in case of
overtemperature monitoring)

Air rinsing time:
2 s (adjustable from 1...2 s)

Overtemperature monitoring:
Overtemperature adjustable from 1000...1200 °C, the gas valve is switched off and the air valve on after detecting overtemperature.

Power dosing:
in ranges 850...1000 °C or 950...1100 °C power reduction from 100% to 50% (quasi-continuous)

Perm. ambient temperature: 0...50 °C

RZ-RB (Rekumat burner)

Construction:
Plastic housing with open terminals, alternatively with screw fastening (DIN 46121) or snap fastening (mounting rail DIN 46277)

Dimensions:
150 x 70 x 112 mm (W x H x D)

Installation position: any

Auxiliary voltage:

115/230 Vac/50-60 Hz

Power consumption:
approx. 8 VA

Input:
• Controller contact (working contact):
The contact must be potential-free and is loaded
with approx. 20 mA
• Analog input:
Thermoelement NiCr-Ni with automatic reference
point compensation

Output:
1 burner connection
(one changeover contact each for the solenoid valves "Gas" and "Air").
The contacts are potential-free and can be loaded
with a max. 1 A/max. 250 Vac or max. 0,2 A / 125 Vac, max. 2 A / 30 Vdc according to type.

Burner ON time in all-round operation:
15 s (adjustable between 8 and 22 s in case of
overtemperature monitoring)

Air rinsing time:
1 s (adjustable from 0.5...1 s)

Overtemperature monitoring:
Overtemperature adjustable from 1000...1200 °C, the gas valve is switched off and the air
valve on after detecting overtemperature.

Perm. ambient temperature:
0...50 °C