

## Control Accessory Type: RZ



### 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 position 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 over temperature monitoring (RS, RB). The control accessory is equipped with a microprocessor which calculates the power requirements. Different function versions are available.

### Special features

- Connection to Rekumat burners (**RB**)
- Connection to Rekumat radiant tube burners (**RS**)
- Screw type or mounting rail fastening
- Over temperature input
- Power dosing input
- Adjustable burner on time
- Function display by LEDs

### Order number

531-0210  
531-0310

### Device name

Control Accessory RZ-RB  
Control Accessory RZ-RS

## Control Accessory Type: RZ



### 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 DIN46277)

**Dimensions:** 150 x 70 x 112 mm (wxhxd)

**Installation position:** any

**Auxiliary voltage:** 115/230Vac/50-60Hz

**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 Ni-Cr-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:** Over temperature adjustable from 1000...1200 °C, the gas valve is switched off and the air valve on after detecting over temperature.

#### 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

### Technical Data:

RZ-RB (Rekumat burner)

#### Construction:

Plastic housing with open terminals, alternatively with screw fastening (DIN 46121) or snap fastening (mounting rail DIN46277)

**Dimensions:** 150 x 70 x 112 mm (wxhxd)

**Installation position:** any

**Auxiliary voltage:** 115/230Vac/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 Ni-Cr-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:

15 s (adjustable between 8 and 22 s in case of Over temperature monitoring)

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

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

**Perm. Ambient temperature:** 0...50 °C