



## Control Accessory UZ 49... with Supplementary Unit ZUZ 49...

### Special features:

- Connection to continuous or noncontinuous temperature controllers
- Triggering of up to 12 burners
- Screw-type and mounting rail fastening
- Overtemperature input
- Adjustable burner on time
- Function displays by LEDs

### Function:

The **Control Accessory** is used for power-dependent, cyclic all-round control of Rekumat burners or radiant tubes in gas-fired furnaces. The burner on time is kept constant for all-round operation and the burner OFF time is adapted to the momentary power requirements.

This technique improves the efficiency of the furnace, produces a uniform furnace room temperature and a constant furnace room pressure. Output circuits and relays are accommodated in one or two accessory housings **ZUZ 49...** of the same construction.

The two units are connected by a pluggable bus cable.

messen - steuern - automatisieren - messen - steuern - automatisieren - messen - steuern - automatisieren

## Technical Data:

### UZ for connection to non-continuous controller

#### Construction:

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

#### Dimensions:

150 x 70 x 112 (lxwxh)

#### Auxiliary voltage:

24 Vac/50-60 Hz +/-10%

#### Input:

Control contact (working contact)

Overtemperature contact (rest contact)

The contacts must be potential-free and are loaded with approx. 20 mA. (Lay lines with shield and earth shield on controller side only.)

#### Output:

In connection with supplementary unit

6 burner connections (1 ZUZ 49...)

12 burner connections (2 ZUZ 49...)

(1 working contact per connection for the solenoid valve "Gas" and "Air"). The contacts are potential-free and can be loaded with a max. 8 A/250 Vac.

#### Times:

- Burner ON time in continuous operation:  
adjustable 10...35 s  
special model: 20...70 s
- Air lag time:  
rinse time after gas OFF:  
adjustable 0.3...2 s
- Overtemperature monitoring:  
All burners are switched off 5 s after  
overtemperature signal.

#### Power consumption:

with 12 burners approx. 36 VA

#### Perm. ambient temperature:

0...50 °C

#### Displays:

LED operation

LED all-round operation

LED controller contact ON

LED overtemperature ON

## Technical Data:

### UZ for connection to continuous controllers

#### Construction:

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

#### Dimensions:

150 x 70 x 112 (lxwxh)

#### Auxiliary voltage:

24 Vac/50-60 Hz +/-10%

#### Input:

20...0 mA (100% ED = 20 mA) or

0...20 mA (100% ED = 0 mA)

Overtemperature contact (rest contact)

The contact must be potential-free and is loaded with approx. 20 mA. (Lay lines with shield and earth shield on controller side only.)

#### Output:

In connection with supplementary unit

6 burner connections (1 ZUZ 49...)

12 burner connections (2 ZUZ 49...)

(1 working contact per connection for the solenoid valve "Gas" and "Air"). The contacts are potential-free and can be loaded with a max. 8 A/250 Vac.

#### Times:

- Burner ON time in continuous operation:  
adjustable 10...35 s  
special model: 20...70 s
- Air lag time:  
rinse time after gas OFF:  
adjustable 0.3...2 s
- Overtemperature monitoring:  
All burners are switched off 5 s after  
overtemperature signal.

#### Power consumption:

with 12 burners approx. 36 VA

#### Perm. ambient temperature:

0...50 °C

#### Displays:

LED operation

LED all-round operation

LED overtemperature ON

## **Technical Data:**

### **Supplementary Unit Type ZUZ**

#### **Construction:**

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

#### **Dimensions:**

150 x 70 x 112 (lxwxh)

#### **Auxiliary voltage:**

Fed from the basic unit through a pluggable ribbon cable

#### **Input:**

Fed from the basic unit through a pluggable ribbon cable

#### **Output:**

3 burner connections  
(6 burner connections)  
(per connection 1 working contact each for the solenoid valves "Gas" and "Air"). The contacts are potential-free and can be loaded with max. 8 A/250 Vac.

#### **Times:**

- Burner ON time in all-round operation:  
see respective basic unit
- Overtemperature monitoring:  
see respective basic unit

#### **Perm. ambient temperature:**

0...50 °C

#### **Displays:**

LED air valve 1 (7)  
LED gas valve 1 (7)  
LED air valve 2 (8)  
LED gas valve 2 (8)  
LED air valve 3 (9)  
LED gas valve 3 (9)  
LED air valve 4 (10)  
LED gas valve 4 (10)  
LED air valve 5 (11)  
LED gas valve 5 (11)  
LED air valve 6 (12)  
LED gas valve 6 (12)

All specifications subject to change without prior notice.