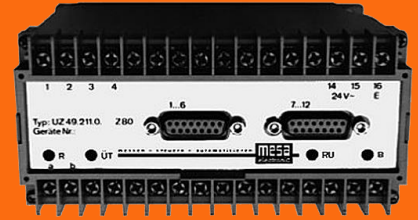


## Control Accessory Type: UZ 49... with Supplementary Unit Type: ZUZ 49...



### 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

### Special features

**Connection to continuous temperature controllers**

**Connection to non-continuous temperature controllers**

**Triggering of up to 12 burners**

**Screw-type and mounting rail fastening**

**Overtemperature input**

**Adjustable burner on time**

**Function display by LEDs**

### Order number

### Device name

531-0010

Control Accessory UZ for continuous controllers

531-0020

Control Accessory UZ for non-continuous controllers

### Optional accessories

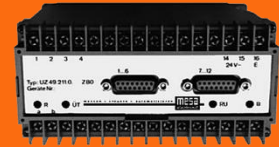
531-0110

Supplementary Unit ZUZ 3 Burner

531-0120

Supplementary Unit ZUZ 6 Burner

## Control Accessory Type: UZ 49...



### 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 Over temperature 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 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:

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:

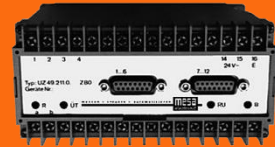
- Burner ON time in continuous operation: adjustable 10...35 s; special model: 20...70 s
- Air lag time: rinse time after gas OFF: adjustable 0.3...2 s
- Overtemperature monitoring:  
All burners are switched off 5 s after Over temperature signal.  
Power consumption: with 12 burners approx. 36 VA

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

#### Displays:

LED operation  
LED all-round operation  
LED controller contact ON  
LED overtemperature ON

## Supplementary Unit Type: ZUZ 49...



### 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 (l x w x h)

**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)

#### Order number

531-0110

531-0120

#### Device name

Supplementary Unit ZUZ 3 Burner

Supplementary Unit ZUZ 6 Burner