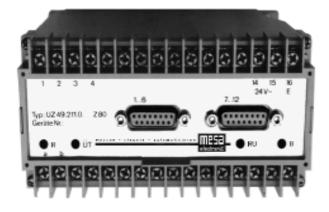
# mesa electronic

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## **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

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

## Function:

The **Control Accessory** is used for powerdependent, 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.

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Z.Nr.:5310/020\*701

## **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 gas valve 6 (12)

All spezifications subject to change without prior notice.