

TLK 31 / TLK 32

TLZ 35

TLZ 10 / TLZ 11



Autotuned, microprocessor based digital controller

PID control function, 2- and 3-point control function

Measuring inputs: 1

- Resistance thermometer: Pt 100
- Semiconductor: PTC / NTC
- Thermocouples: J, K, S
- Voltage signals: 0...50 mV, 0 (12)...60 mV
- Norm signals: 0 (4)...20 mA, 0 (1)...5 V 0 (2)...10 V

Outputs: max. 4, up to 2 x contr. output resp. 3 x alarm outputs possible

- Relay: SPDT 8 A / 3 A / 250 VAC
- SSR drive: 10 VDC / 10 mA

Displays: 4-digits, 7-segment LEDs

- **TLK 31:** 1-line
Process value: red, 12 mm high
Trend display shift index (3 LEDs)
- **TLK 32:** 2-lines
Process value: red, 7 mm high
Set value: green, 7 mm high

Resolution: -1999 ... 9999 digits

- Resistance thermometer: 1/1 or 1/10
- Thermocouples: 1/1
- Norm signals: free scalable, free setting of decimal point

Temperature units: °C, °F

Accuracy: ± 0.5 % FS ± 1 digit

Transmitter supply: 12 VDC / 20 mA

Protection class: IP 65 (front)

Screw terminal block

Dimensions: (W x H x D)
75 x 33 x 75 mm

Power supply:

- 12 VAC/DC, ± 10%, 50/60 Hz

Microprocessor based digital controller

2-point control function

Measuring inputs: 1

- Semiconductor: PTC / NTC

Outputs: max. 2, up to 2 x contr. output resp. 1 x alarm outputs possible

- Relay: SPDT 16 A / 6 A / 250 VAC
- Relay: SPDT 5 A / 3 A / 250 VAC

Displays: 4-digits, 7-segment LEDs

- 1-line
Process value: red, 12 mm high

Resolution:

1/1 or 1/10 in whole range

Temperature units: °C, °F

Accuracy: ± 0.5 % FS ± 1 digit

Alarm function: Acoustic alarm with integrated buzzer

Protection class: IP 40 (front)

Screw terminal block

Dimensions: (W x H x D)
70 x 84 x 60 mm

Power supply:

- 12 VDC/AC, ± 10%, 50/60 Hz
- 24 VDC/AC, ± 10%, 50/60 Hz
- 90...240 VAC, ± 10%, 50/60 Hz

Microprocessor based digital controller

2-point control function

Measuring inputs: 1

- Semiconductor: PTC / NTC

Outputs: TLZ 10: max. 1
TLZ 11: max. 2

- Relay: SPDT 16 A / 6 A / 250 VAC
- Relay: SPDT 5 A / 3 A / 250 VAC

Displays: 4-digits, 7-segment LEDs

- 1-line
Process value: red, 12 mm high

Resolution:

1/1 or 1/10 in whole range

Temperature units: °C, °F

Accuracy: ± 0.5 % FS ± 1 digit

Alarm function (TLZ 11): Acoustic alarm with integrated buzzer

Protection class: IP 65 (front)

Screw terminal block

Dimensions: (W x H x D)
75 x 33 x 64 mm

Power supply:

- 12 VDC/AC, ± 10%, 50/60 Hz
- 24 VDC/AC, ± 10%, 50/60 Hz
- 90...240 VAC, ± 10%, 50/60 Hz