

TLK 35



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. 3, up to 2 x contr. output resp. 2 x alarm outputs possible

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

Displays: 4-digits, 7-segment LEDs 1-line

Process value: red, 12 mm high
Trend display shift index (3 LEDs)

Resolution: -1999 ... 9999 digit

- Resistance thermometer: 1/1 oder 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: 10 VDC / 20 mA

Protection class: IP40 (front)

Screw terminal block

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

Power supply:

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

TCPDE



Electronical analog controller with leveling disk

PD control function, 2-point control function

Measuring inputs: 1

- Resistance thermometer: Pt 100
- Thermocouples: J, K

Outputs: 1 x contr. output

- Relay: SPDT 8 A / 3 A / 250 VAC
- SSR drive: 24 VDC / 25 mA

Displays: different scales
Range: -50...1200 °C
transparent disk

Resolution: depends on scale

Temperature units: °C

Accuracy: ±1 % FS

Protection class: IP 54 (front)

Faston terminal block: 6,3 mm

Octal connector: (8 Pin) (opt.)

Dimensions: (W x H x D)
48 x 48 x 107 mm

Power supply:

- 24...240 VAC, ± 10%, 50/60 Hz

TLK 38 / TLK 39



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. 2, up to 2 x contr. output resp. 1 x alarm output possible

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

Displays: 4-digits, 7-segment LEDs

- **TLK 38:** 1-line
Process value: red, 12 mm high
Trend display shift index

- **TLK 39:** 2-lines
Process value: red, 7 mm high
Set value: green, 7 mm high

Resolution: -1999 ... 9999 digit

- Resistance thermometer: 1/1 oder 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
(only with 12 VAC/DC power supply)

Protection class: IP 54 (front)

Screw terminal block

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

Power supply:

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