

TLK 38 - 39



digital panel meters

TLK 38 and TLK 39 are "single loop" digital micro-processor-based panel meters, with ON/OFF, Neutral Zone ON/OFF, PID single action, PID dual action (direct and reversed) control and with AUTO-TUNING FAST function, SELF-TUNING function and automatic calculation of the FUZZY OVERSHOOT CONTROL parameter for PID control.

The meter can be used as:

- DPM / digital panel meter (4 digits)
- DPM with 1 or 2 alarm or control contacts
- DPM free programmable (ramp-dwell)
- 1 step program control

The value is being displayed on the bright red 4-digits display and the output status of the relay is being indicated by a couple of LED's on the front . The instrument has a 3 LED programmable shift index. The instrument can record 4 setpoints and has 2 outputs available: relay contact or pulse output for solid state relay control(SSR).

Features

- Scalable range: 4 digits
- 1 of 2 alarm / control contacts
- 1 input for thermocouple, Pt100, PTC/NTC, Volt, mA signals
- Free programmable with password protection
- Frontpanel IP-65 (with special membrane)
- ON-OFF, PID and neutral zone (L-R control)
- Program key (key01) for automatic programming



TECHNICAL SPECIFICATIONS

Display	4 digits, red 7 segment / 12 mm high
Measuring range	-1999...+9999 depending of the used probe, at customers demands
Input	Thermocouple J (0..1000°C.) K (0..1370°C.) S (0..1760°C.) PTC (KTY 81) -55..150°C RTD (Pt-100, 3-wired / NTC: 10K.Ohm@25°C: -50..110°C Current (4-20mA, 0..20mA): -1999..9999 Voltage (0-1/5/10V): -1999..99999
Output	1 of 2 relays (250 VAC / 8 Amp.) Supply for SSR control (12VDC / 20 mA)
Display resolution	depending of the used probe 0,1 / 1 / 0,5 / 5
Accuracy	± 0,5%fs
Sampling rate	130 m.sec.
Housing	self extinguishing plastic, UL 94 V0
Dimensions	front 33 x 75mm, depth 64mm (Flush in panel in 29x71 mm hole)
Supply	24VAC/±10% (4VA)
Weight	180 gram

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