

# Datasheet DT 109A

- 96mm x 96mm Enclosure front size
- $\mu$ P based, PID temperature controller with OUT and ALARM outputs
- Auto-tuning for PID parameters
- Sensor type: T/C (J,K,T,S,R), Pt100, selectable, multi-input
- Selectable control type: P, PI, PD, PID or ON-OFF
- Automatic “Overshoot” elimination in PID mode
- “Anti-windup”
- Upper and Lower limit for SET and ALARM settings
- Selectable relative, absolute or band alarm
- ON-delay for OUT in cooling mode
- Displays SET and PROCESS values
- Cold-junction compensation for T/C
- Line compensation for Pt100
- Excellent linearity with  $^{\circ}\text{C}/\text{mV}$  and  $^{\circ}\text{C}/\text{Ohm}$  look-up tables
- Input “Offset” feature
- Password protection
- High accuracy
- EEPROM memory to store settings
- Optional SSR output
- Easy connection with plug-in connectors