

Temperature Series



Temperature Indicator | Temperature Controller — Single Display | Temperature Controller — Dual Display | Dual-Channel Temperature Controller / Indicator

Product Overview

The **ARKA Industrial Temperature Series** is designed for accurate, reliable, and easy-to-operate temperature monitoring and control across demanding industrial environments. This product family includes:

- **Temperature Indicators** – display real-time process temperature
- **Temperature Controllers (Single & Dual Display)** – monitor and control temperature with configurable relay outputs
- **Dual-Channel Temperature Controllers** – measure and control two temperature zones simultaneously

Built with rugged construction and user-friendly menus, the series ensures stable performance in harsh conditions commonly found in chemical processing, petrochemical units, utilities, boiler systems, food processing plants, and general manufacturing.

The instruments support multiple industrial sensor inputs, provide clear LED displays for operator visibility, and offer communication and control features that help maintain safe, consistent, and optimized process temperatures.

Key Features (All Models)

Common Features

- Digital LED display — clear visibility in all environments
- Industrial wall-mount housing
- Supports RTD / detector / process inputs (model-dependent)
- RS-485 (MODBUS) communication available on series
- Easy calibration & configuration menus
- Relay outputs for alarms / heating / cooling (controller models)
- Surge & grounding protection recommended
- Designed according to industrial performance standards

Temperature Indicator

- Continuous temperature monitoring
- Simple configuration + calibration
- Designed for long-term accuracy, low maintenance

Temperature Controller — Single Display

- Control + display in one unit
- Relay-based process control
- Adjustable thresholds and decimal settings

Temperature Controller — Dual Display

- Separate display for:
 - **PV (Process Value)**
 - **SV (Set Value)**
- Better operator visibility
- Separate alarm/control parameters

Dual-Channel Temperature Controller

- Two independent temperature inputs
- Separate configuration menus per channel
- Ideal for multi-zone heating / furnace / reactor systems

Technical Specifications

Parameter	Specification
Power Supply	220 VAC
Display	LED Digital
Inputs	RTD / Detector / Process (model dependent)
Communication	RS-485 MODBUS (selected models)
Outputs	Relay NO / NC (controllers only)
Mounting	Wall-mounted
Operating Temp	-20°C to 55°C
Storage Temp	Up to 55°C
Ambient Limit	Avoid >60°C and >85% RH
Calibration	Periodically (≤ 1 year recommended)



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