



---

## Temperature Controller

Panasonic Electric Works Corporation of America offers a broad line of highly flexible controllers for use as temperature controllers with PID (built-in auto-tuning function included), analog signal conditioners with scaling and panel meters with a very bright and easy to read display. The KT line of controllers is well suited for a wide variety of machine and process control applications. Each controller offers a wide selection of inputs and outputs.

### Key Features

- Slim Size (22.5 x 75 x 100mm)
  - RS485 ASCII/Modbus Communications Available
  - Supply Voltage - 24V AC/DC or 100 to 240V AC
  - CE, UL/CSA Approval
  - Common Applications - Constant temperature bath, scrubber, shrink wrapping, oven, warm and cold storage units
  - Multi-Input - Versatile thermocouple, RTD, DC Current, DC Voltage
  - Control Modes - PID, on/off, Anti-Reset-Windup (ARW)
  - Control Outputs - Relay, non-contact voltage output (for SSR drive, DC current output)
  - Simple & Accurate - +/- 0.2% span
  - Alarm Output - 9 different operation modes
-

## Currently viewing: KT7 Temperature Controllers

Model Name	Sensor Input	Control Output	Heater Burnout Alarm	Pattern Function	Communications	Signal Conditioner	Relay Alarm Outputs
Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼	Sort ▲ ▼
AKT7111100	Multiple	Relay		No		Yes	1
AKT71111001	Multiple	Relay		No	RS485	Yes	1
AKT7111101	Multiple	Relay		No		Yes	1
AKT71111011	Multiple	Relay	5A Heater burnout Alarm	No	RS485	Yes	1
AKT7111102	Multiple	Relay		No		Yes	1
AKT71111021	Multiple	Relay	10A Heater burnout Alarm	No	RS485	Yes	1
AKT7111103	Multiple	Relay		No		Yes	1
AKT71111031	Multiple	Relay	20A Heater burnout Alarm	No	RS485	Yes	1
AKT7111104	Multiple	Relay		No		Yes	1
AKT71111041	Multiple	Relay	50A Heater burnout Alarm	No	RS485	Yes	1
AKT7112100	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121001	Multiple	Non-Contact voltage for SSR		No	RS485	Yes	1
AKT7112101	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121011	Multiple	Non-Contact voltage for SSR	5A Heater burnout Alarm	No	RS485	Yes	1
AKT7112102	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121021	Multiple	Non-Contact voltage for SSR	10A Heater burnout Alarm	No	RS485	Yes	1
AKT7112103	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121031	Multiple	Non-Contact voltage for SSR	20A Heater burnout alarm	No	RS485	Yes	1
AKT7112104	Multiple	Non-Contact voltage for SSR		No		Yes	1
AKT71121041	Multiple	Non-Contact voltage for SSR	50A Heater burnout alarm	No	RS485	Yes	1
AKT7113100	Multiple	4-20mA		No		Yes	1
AKT71131001	Multiple	4-20mA		No	RS485	Yes	1
AKT7211100	Multiple	Relay		No		Yes	1



# KT7

## Product Types

### Temperature Controller KT7

*Handy and slim*

- Size 22.5 x 75 x 100mm (WxHxD)
- Front screw terminals
- DIN rail mounting type
- Analogue value converter function



### Ordering code

A K T 7 1 1 1 1 0 0 1

**Power Supply**  
1=100 to 240V AC  
2=24V AC/DC

**Sensor input**  
1=multi-input

**In stock:**  
AKT7111100  
AKT7112100  
AKT7113100  
AKT7211100  
AKT7212100  
AKT7213100  
AKT71111001  
AKT71111001  
AKT71111001  
AKT72111001  
AKT72121001  
other types on demand

**Control output**  
1=relay  
2=non-contact voltage  
3=DC current

**Alarm output**  
0=alarm1 open collector

**Heating/Cooling control output**  
0=no control output 2

**Communication function**  
blank=not available  
1=RS485

**Heater burnout alarm**  
0=not available  
1=5A  
2=10A  
3=20A  
4=50A