

378 Temperature Controller

Monitor and control temperature in process water



- Analog voltage output
- Proportional bandwidth control
- Set points on front panel
- Large bright red LED screen
- Manual adjustable reset

Description

Global Water's Temperature Controllers are high performance industrial grade digital indicating, single set point proportional/On-Off controllers for use with type K, J, T and E thermocouples. Thermocouple gain and cold junction are automatically compensated by the Temperature Controller's internal electrode circuits. An accurate 1 mV per display count analog output is provided to interface the Temperature Controller with a recorder, printer and so on. The Temperature Controller uses a bright red LED screen.

The Temperature Controllers are a single set point proportional/On-Off controller. The proportional bandwidth is adjustable from On-Off to 100 °C or 100 °F with built-in hysteresis. The cycle time is factory set to 20 second \pm 3 seconds. The Temperature Controllers have a front panel manual adjust reset potentiometer.

The Temperature Controllers are 1/8 DIN front panel mount inside of a plastic housing. Temperature probe connections are made via spade lug connectors.

Specifications

Model	Type	Range	Resolution	Accuracy
378KC	K	0 to 1000 °C	1 °C	$\pm 0.50\% \pm 1$ count
378KF	K	0 to 1999 °F	1 °F	$\pm 0.50\% \pm 1$ count
378JC	J	0 to 550 °C	1 °C	$\pm 0.40\% \pm 1$ count
378JF	J	0 to 1000 °F	1 °F	$\pm 0.40\% \pm 1$ count

Hysteresis: °C model 6 °C (± 3 °C)
°F model 10 °F (± 5 °F)

Proportional Band: Adjustable from on/off to 100 °C or 100 °F with built in hysteresis

Cycle Time: 20 \pm 3 seconds

Reset: Manual adjust

Operating Temperature: 0 to 40 °C

Analog Output: 1 mV/count, $\pm 0.30\%$ of span ± 1 mV

T/C Burnout: Upscale

Output Relay: 8 A at 115 VAC, 4A at 230 VAC, resistive load

Power Source: 115/230VAC, $\pm 10\%$ 50/60 Hz

Dimensions: 3.75x2x4.25in (96x48x105mm)

Weight: 1 lb (0.38 kgs)

Options and Accessories

378JC/JF

Temperature Controller

Does not include temperature probe.

378KC/KF

Temperature Controller

Does not include temperature probe.

Contact
Global Water
for all your
instrumentation
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control

Regional Distributor



Global Water
The Leader in Water Instrumentation

803, Riqqa Palace Building
Al-Maktum Ave. opposite Deira Etisalat
P.O.Box 181802 Dubai, UAE
Tel: +9714 - 2270081
Fax: +9714 - 2239962
E-mail: rcsco@eim.ae
www.rcs-co.com

RS
Rabbit Control Systems
Automation & Control Engineering