Straightforward and easy to use. That's the Autonics T3S digital temperature controller.

Rugged & Reliable

The Autonics T3S Series Digital Temperature Controller

The Autonics T3S is a general purpose controller offering reliable service at a low price. The unit is easy to operate even for new users. It features straightforward push buttons that allow you to input a setpoint and a clear plastic shield to protect buttons from being pushed accidentally.

This controller has a bright, three-digit LED display to inform you of process temperature at all times. Deviations from target temperature are easy to evaluate since the setpoint also is shown on the front panel. A manual reset potentiometer lets you tweak the temperature slightly up or down to eliminate even small variances from your target setpoint. The T3S supports both on/off and proportional controls which the user can select with a simple jumper plug.

And what else? A list of some of the key features and how they'll benefit you is shown in the adjacent box.

Input ranges:

J:	199°C	399°F
	399°C	499°F
		799°F
		999°F
K:	399°C	399°F
		799°F
		999°F

Display:
   7-segment LED
Setting method:
   Digital setting
Indication accuracy:
   ±1% (1 digit) FS
Setting accuracy:
   ±1% (1 digit) FS
External allowable wire resistance:
   Thermocouple:< 100Ω: < 10Ω per wire
   RTD: < 5Ω per wire
Control Mode: On/Off or time proportional control
Proportional control band:
   3% FS fixed
Proportional control period:
   20 sec fixed
Contact relay output:
   250V AC 3A
SSR output:
   10–14V DC 20mA max
Reset Manual:
   FS ±3% variable
Protection:
   Built-in burn out function
Power supply:
   90–264V AC ±10% 50/60Hz
Ambient temperature:
   -10–50°C
Humidity:
   35–85% relative humidity

T3S BENEFITS:

Upscale burnout protection—prevents overheating in the event of sensor failure

Front panel display—shows you both PV and SV simultaneously

Acrylic shield—protects buttons from being accidentally pushed

Inputs—J, K, or RTD

Outputs—relay or DC voltage pulse

Power supply—90–264V AC

Manual reset potentiometer—allows you to fine-tune the controller near setpoint

On/off and time proportioning control—choose the mode of control operation

Easy push-button operation