



*Ultimate simplicity
combined with solid
performance... all in a
1/16 DIN Package*

A solid performing PID controller that won't confuse operators with a host of unused features.

Designed for maximum simplicity, all programming is done using 3 front panel keys. Configuration is as simple as selecting an input type, and control action. The only on line values that need to be entered are the setpoint, cycle time, offset value, and if installed, the alarm value.

During operation, the temperature value is displayed on a large (0.56") LED display, while annunciator lights indicate control accuracy and alarm status.

The setpoint is accessed by a single key press, then altered via the up/down arrow keys. A lockout feature can be activated to prevent the setpoint from being changed.

But don't be misled by the unit's simplicity – the T526 is a powerful PID controller. Its unique autotune function works during start-up, eliminating any need for operator involvement. This gets rid of the control fluctuations which are induced by most standard autotunes.

- Full PID controller with simple operator interface
- Unique autotune procedure provides tight control and eliminates the need for any operator involvement
- Large LED display indicates temperature while annunciator light confirms control accuracy
- Field configurable to accept most popular thermocouples and RTDs
- Choose Relay or SSR driver for primary control output
- Available with or without alarm relay
- Universal AC power supply satisfies global requirements
- NEMA 4/IP65 rated front panel for use in washdown environments
- UL recognized, CE compliant

A universal AC power supply (94-264 VAC) meets global power requirements, while its NEMA 4/IP65 rated front panel provides reliable operation in harsh environments.

SPECIFICATIONS

Inputs:

Thermocouple: Types J, L, K, N, T²

RTD: Three-wire PT100, DIN 43760

Sample Rate: 250 ms

Outputs:

Relay: SPDT rated at 2 amps resistive at 120/240 VAC

SSR Driver: 10 VDC nominal into 500Ω minimum

Control:

Mode: PID with Autotune, On/Off

Control Action: Selectable for Reverse (heating) or Direct (cooling)

Cycle Time: 0.5 secs. to 512 secs. in binary steps

Offset: ± selected input range

Alarm (opt.): Field selectable for Process, Deviation or band alarm, and Reverse or Direct acting

Physical:

Dimensions: 48mm x 48mm, 110 mm deep

Mounting: Panel mount (mounting bracket supplied), 45mm x 45mm cutout

Terminals: Screw Type - combination head

Display: Single line, 3 digit, 7 segment LED display with annunciator for control accuracy

General:

Supply Voltage: 90 - 264 VAC 50/60 Hz

Front Panel Rating: NEMA 4/IP65

Operating Temperature: 0°C to 55°C

Common Mode Rejection: 120 db at 50/60 Hz

Series Mode Rejection: > 500% of span 50/60 Hz

Approvals: UL, CE

Model No.	Description
T526-210	Relay Output, No Alarm
T526-220	SSR Driver Output, No Alarm
T526-211	Relay Output, Alarm
T526-221	SSR Driver Output, Alarm

