Process Controller

1/4 DIN controller

Touch-screen technology

With COMPOSER® software

With INTUITION®
Touch-Screen Technology
Easy to Use

> 4.3-inch color, graphical touch panel
> Modular and scalable controller
> Integrated functions
> Screen personalization
> Graphical programming PC software
> Multi-language options
> Intuitive navigation
> Channels, profiles, alarms, inputs and outputs can all be personalized with user-defined names
Integrated Functions

Lower Ownership Costs

- Simplified design reduces complexity
- Less inventory
- Reduces supplier base and simplifies delivery
- Saves wiring time and panel space
- The F4T all-in-one capabilities include: integrated PID controller, data logger, limit controller, solid state relays, timers, counters, PLC math and logic, panel switches and lights (softkeys)

All the functionality of multiple devices... in a single controller.
Supports Fast and Flexible Design Environments

- Field pluggable I/O, scalable in increments of one
- Programmable function blocks
- Wide library of hardware options for flexibility
- Support of custom firmware modifications
- High and low voltage power supply options
- Mounting options for thru-panel or flush mount
High Quality and Reliability

> Field-hardened electronics and robust algorithms already deployed in hundreds of thousands of installations worldwide

> NEMA 4X/IP65

> Agency compliance: UL®, FM, CE, RoHS, W.E.E.E.

> 0 to 122°F / -18 to 50°C ambient operating temperature

High performance validated with stringent testing

Water test

Vibration test
Improved Process Control

- Robust algorithms for temperature, RH, pressure, altitude and more
- TRU-TUNE®+ adaptive control algorithm
- 40 profiles up to 50 steps each, with battery backup and real-time clock
- Up to 4 PID control channels
- Monitor up to 24 sensor inputs
- Math and logic for total process and machine control

Easy Connectivity and Data Mobility with File Transfers

- Ethernet Modbus® TCP and SCPI
- Two USB host ports
- USB device port
- 232/485 Modbus® RTU
- USB port for serial communication access
- LabVIEW™ driver and SCPI protocol
Sophisticated Appearance

Colorful Accent Bars

Easily Retrofit with

Minimum Disruption

> Fits in existing SERIES F4 panel cutout
> SERIES F4S / F4D / F4P backward compatible Modbus® registers

> Accent bar with three color options

F4T fits easily in F4 cutout
F4T installed in F4 cutout
Original F4 controller
Find out more about Watlow and how we can provide thermal solutions for your company:

Phone: 1-800-WATLOW2 (1-800-928-5692)
E-mail: inquiry@watlow.com
Web site: www.watlow.com

About Watlow

Watlow designs and manufactures industrial heaters, temperature sensors, controllers and supporting software as well as assemblies – all of the components of a thermal system. The company partners with its customers to optimize thermal performance, decrease design time and improve efficiency of their products and applications.

Watlow brings its experience to numerous industries, including semiconductor processing, environmental chambers, energy processes, diesel emissions, medical and foodservice equipment.

Since 1922, Watlow has grown in product capability, market experience and global reach. The company holds more than 450 patents and employs 2,000 employees working in nine manufacturing facilities and three technology centers in the United States, Mexico, Europe and Asia. Watlow also has sales offices in 16 countries around the world. The company continues to grow, while the commitment remains the same – to provide its customers with superior products and services for their individual needs.

Watlow Products and Technical Support Delivered Worldwide

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Scan for F4T information including "how-to" videos.

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UL® is a registered trademark of Underwriter's Laboratories, Inc.
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