

PROCESS CONTROLLER



1/4 DIN Controller

Touch-Screen Technology

with COMPOSER[®] Software

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 optional capabilities include: integrated PID controller, data logger with encrypted files, graphical trend charts, limit controller, solid state relays, timers, counters, PLC math and logic, panel switches and lights (softkeys) all connected via Ethernet communications.

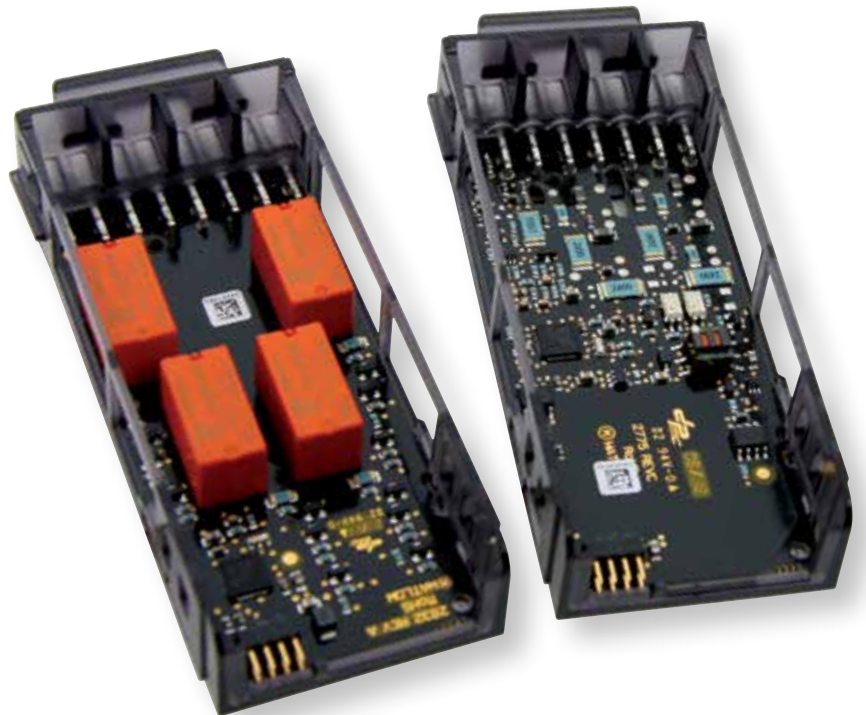
All the
functionality
of multiple
devices...
in a single
controller.



Supports Fast and Flexible Design Environment



- > 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



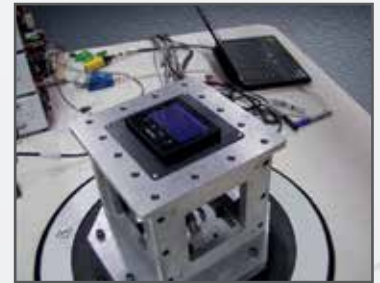
High Quality and Reliability

- > 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



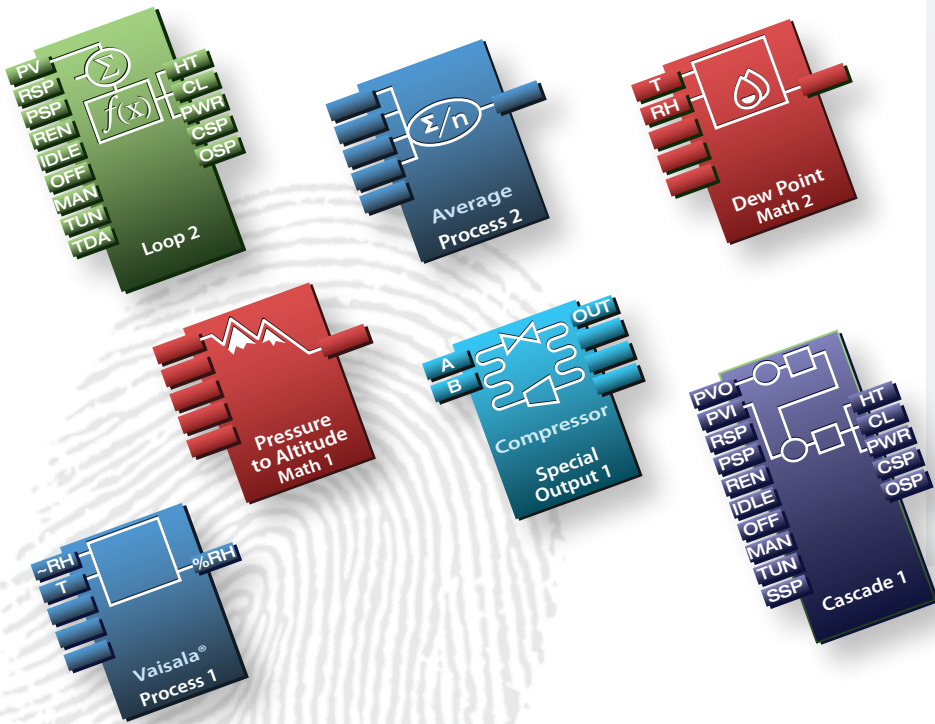
Water test



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



Colorful Accent Bars Appearance



> Accent bar with three color options

Easily Retrofit with Minimum Disruption

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

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)

Email: inquiry@watlow.com

Website: www.watlow.com
www.watlow.com/f4t

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For Additional Information
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Scan for F4T information including "how-to" videos.

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