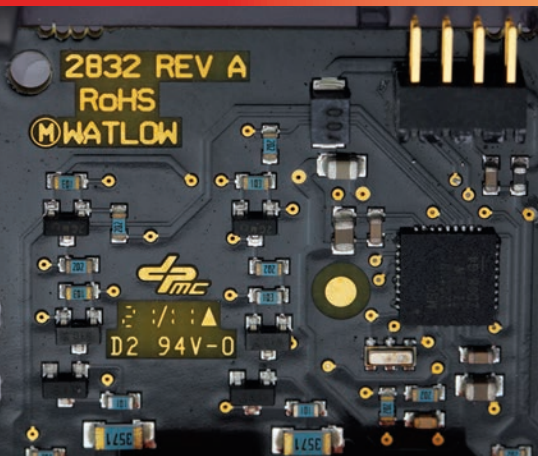




WATLOW[®]
Powered by Possibility

F4
WITH INTUITION

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
 - > English, German, French, Italian, Spanish, Japanese Korean and Chinese
- > Intuitive navigation
- > Channels, profiles, alarms, inputs and outputs can all be personalized with user-defined names
- > USB wired or wireless mouse user interface
 - > Use in hazardous location, dirty environments or applications with gloves

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



Easily Manage Data Records

Manufacturing Environment



Scan paperwork



Scan individual parts



The F4T screen view scanning part numbers

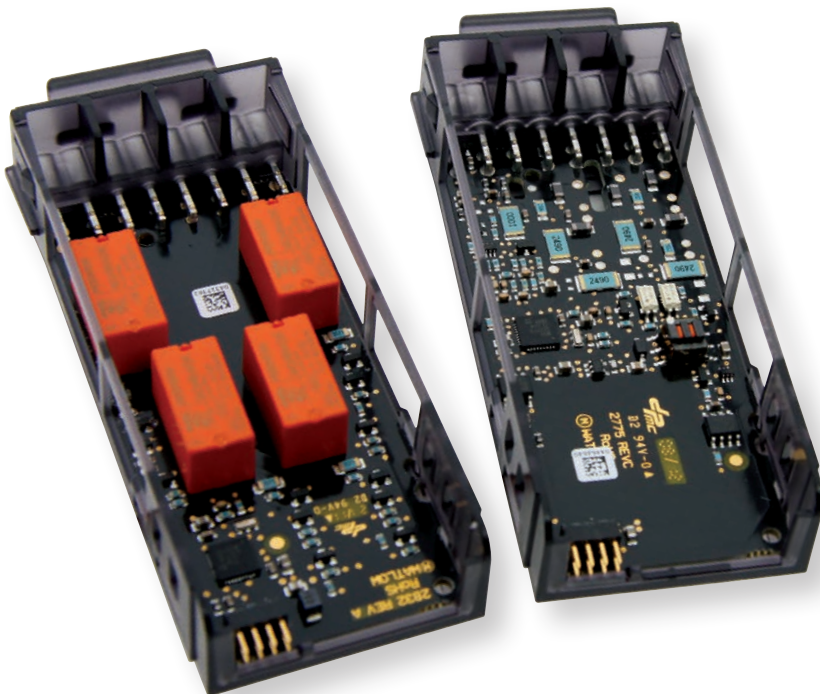
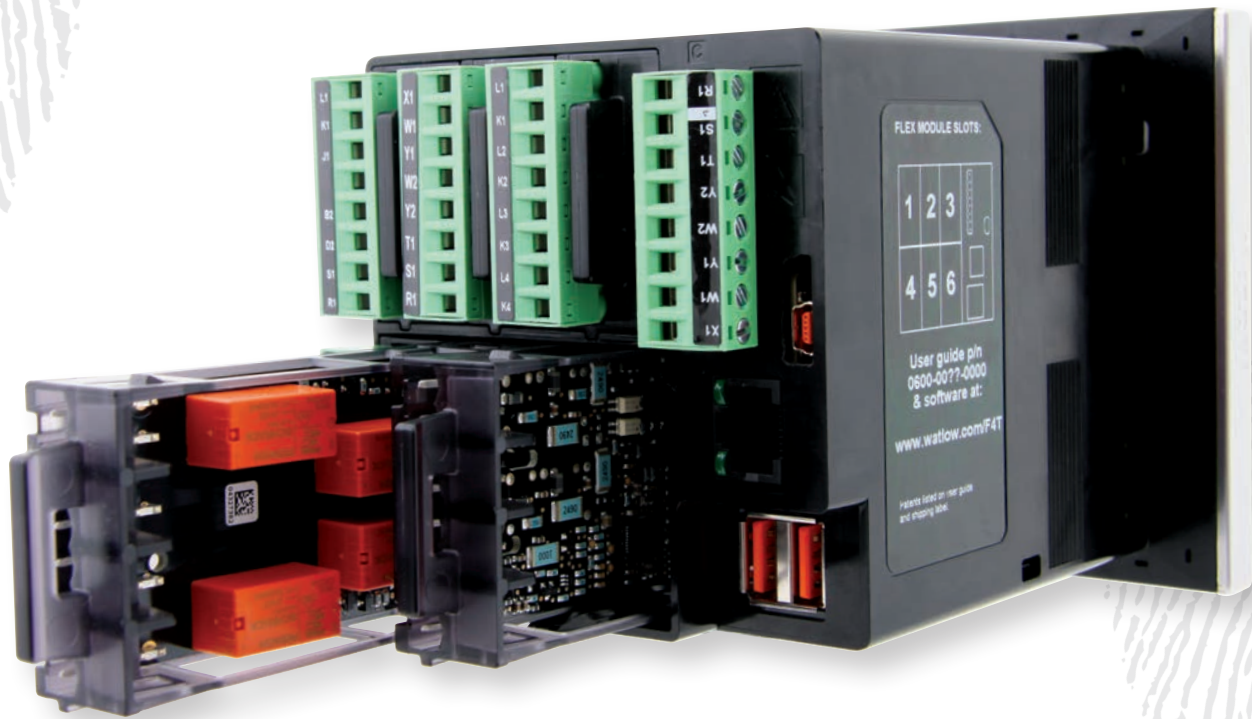
- > Bar code scan input for fast and easy data entry
- > Foolproof processing via smart profile to part linkage
- > Data security through password and data log encrypted file options
- > Improve manufacturing robustness as controller screens ensure all necessary data is entered during processing
- > Helps ensure compliance with growing regulations and minimize warranty exposure
- > Improved quality control can eliminate part processing skips or walk around
- > Produces formatted data record report for easy receipt or record management uses

Batch Report

Batch file report produced

Device Name	F4T Station 1	11/6/2018	11:59:45 AM	
Lot Number	W030131	11/6/2018	11:59:45 AM	
Profile	Test Trial #1	11/6/2018	12:00:30 AM	
Load Operator	Robert Henning	11/6/2018	11:59:52 AM	
Comment	Customer #5739	11/6/2018	11:59:57 AM	
Part Number(s)	0004-0329-0000	11/6/2018	12:00:30 AM	
	0018-0240-0000	11/6/2018	12:00:35 AM	
	0803-0092-0001	11/6/2018	12:00:40 AM	
	0843-0041-151R	11/6/2018	12:00:46 AM	
Upload Operator	Robert Henning	11/6/2018	12:04:41 AM	
Comment	Batch 3 of 3 complete	11/6/2018	12:05:23 AM	
Date (MDY)	Time	Limit_Input (Deg C)	Ch_1_Temp PV (Deg C)	Ch_2_%RH PV (RH)
11/6/2018	12:01:57 PM	27.197	23.035	73.563

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

Graphical Configuration Tool COMPOSER® PC Software

- > Speeds up and simplifies product setup and commissioning
- > Archives and documents data logger configuration settings
- > Offers easy plug and play connection with D4T data logger
- > Provides read-only view of encrypted data log file information

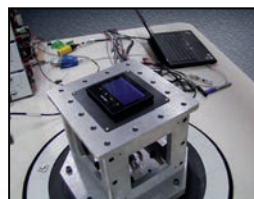


High Quality and Reliability

High performance validated with stringent testing



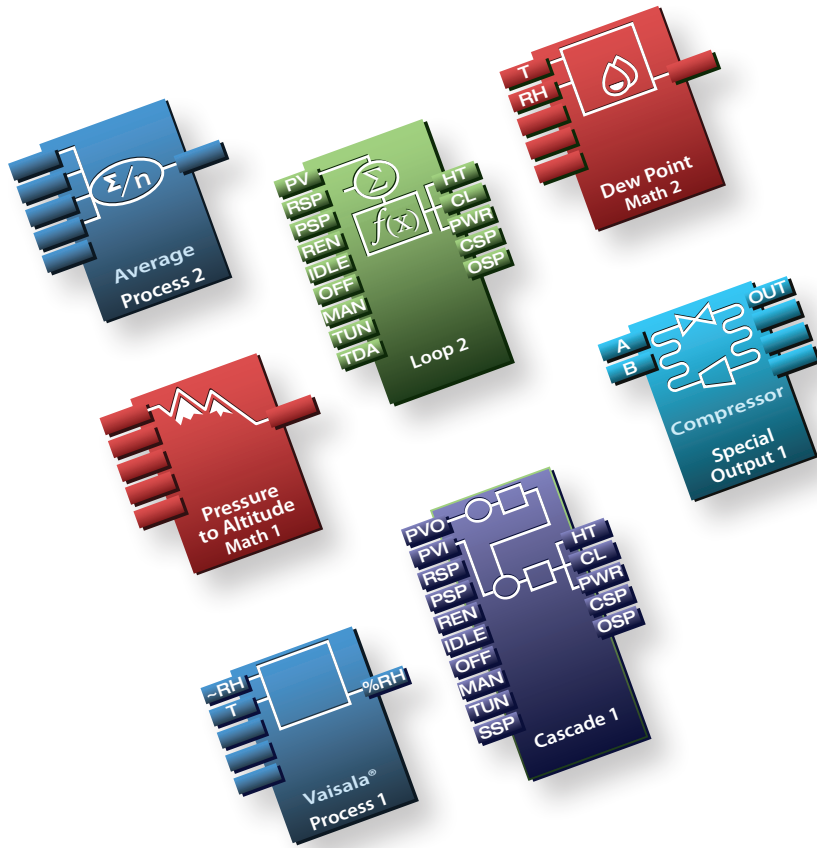
Water test



Vibration test

- > 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

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





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
Regarding Watlow's F4T Process
Controller Visit Our Website At:

www.watlow.com/f4t

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