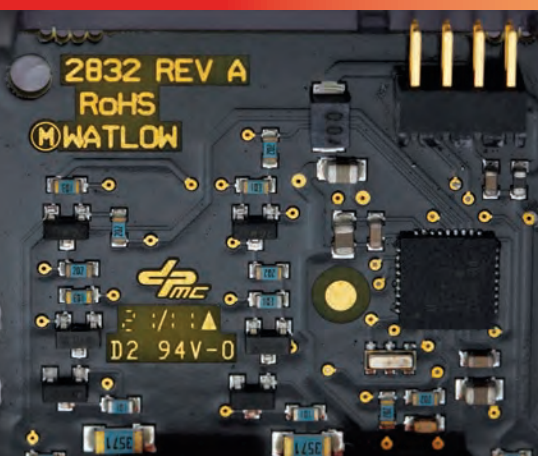


# PROCESS CONTROLLER



## 1/4 DIN Controller

Touch-Screen Technology

with COMPOSER<sup>®</sup> 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

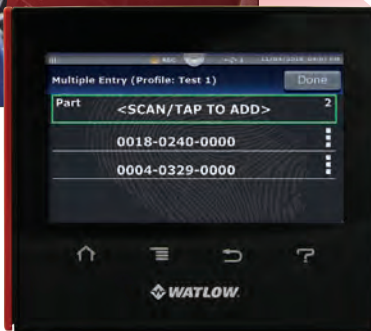


# Easily Manage Data Records

## Manufacturing Environment



The F4T screen view scanning part numbers



Scan paperwork



Scan individual parts

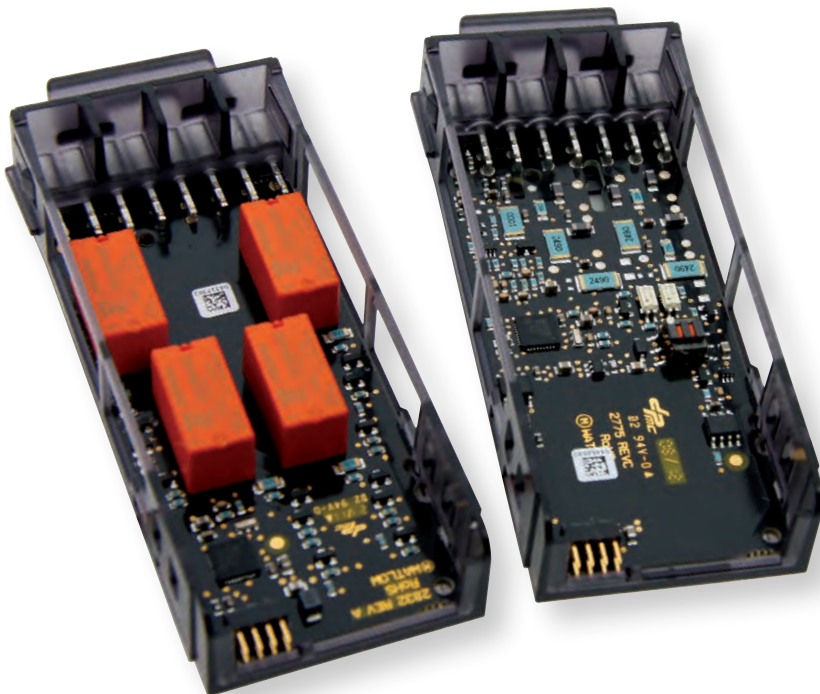
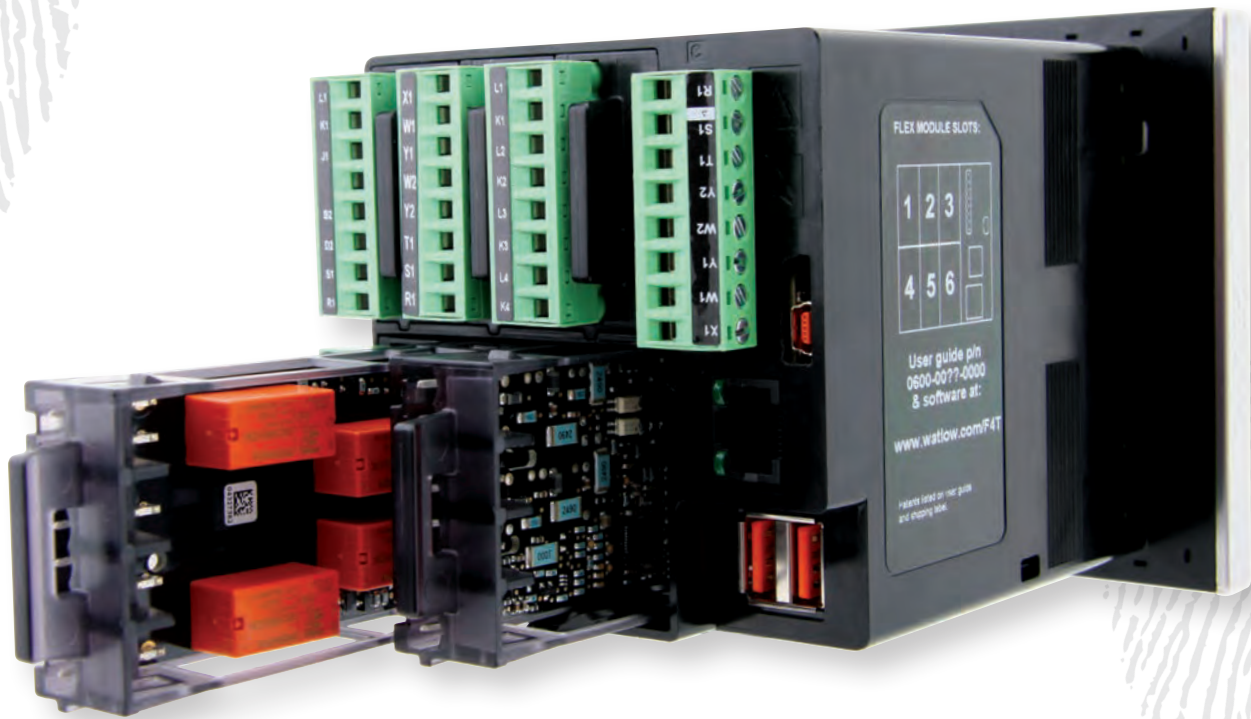
- > Bar code scan input for fast and easy data entry
- > Foolproof processing via smart profile to part linkage
- > Data security through password and data log encrypted file options
- > Improve manufacturing robustness as controller screens ensure all necessary data is entered during processing
- > 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

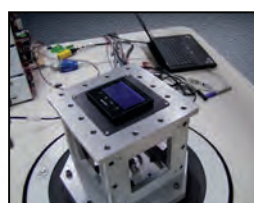


## High Quality and Reliability

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

