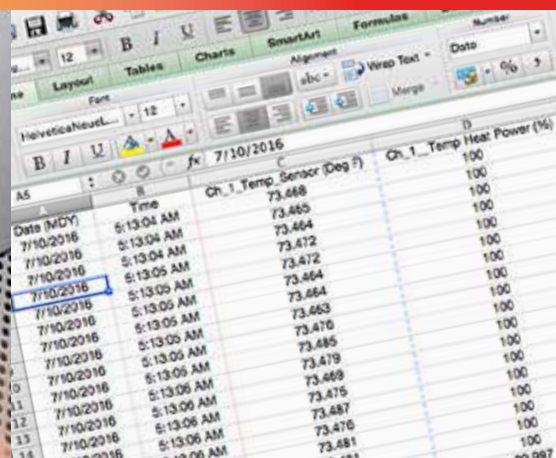
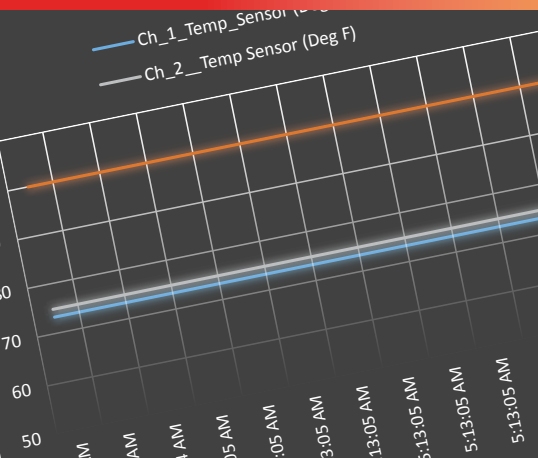


# DATA LOGGER



Screenshot of the data logger's software interface showing a data table with columns for Date (MDY), Time, Ch\_1\_Temp\_Sensor (Deg F), and Ch\_1\_Temp Heat Power (%).

Date (MDY)	Time	Ch_1_Temp_Sensor (Deg F)	Ch_1_Temp Heat Power (%)
7/10/2016	5:13:04 AM	73.468	100
7/10/2016	5:13:04 AM	73.465	100
7/10/2016	5:13:04 AM	73.464	100
7/10/2016	5:13:04 AM	73.472	100
7/10/2016	5:13:05 AM	73.464	100
7/10/2016	5:13:05 AM	73.464	100
7/10/2016	5:13:05 AM	73.463	100
7/10/2016	5:13:05 AM	73.476	100
7/10/2016	5:13:05 AM	73.485	100
7/10/2016	5:13:05 AM	73.479	100
7/10/2016	5:13:06 AM	73.468	100
7/10/2016	5:13:06 AM	73.475	100
7/10/2016	5:13:06 AM	73.487	100
7/10/2016	5:13:06 AM	73.478	100
7/10/2016	5:13:06 AM	73.481	100



**1/4 DIN**

Touch-Screen Technology

with COMPOSER<sup>®</sup> Software

# Touch-Screen Technology

## Easy to Use



- > 4.3-inch color, graphical touch panel
- > Screen personalization
- > Graphical programming PC software
- > Multi-language options
- > Intuitive screen layout and menu navigation
- > Channels, alarms, inputs and outputs can all be tailored to application with user-defined names

# Data Logging Functions

## Simple to Implement and Use



Transition  
To The Next  
Generation

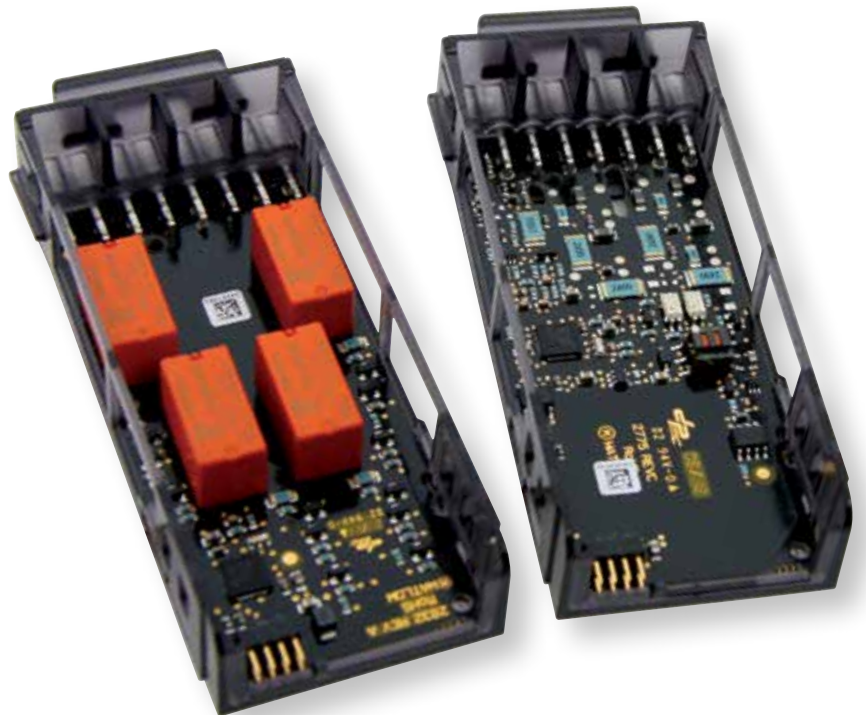


- > Easily complies with regulatory standards with ability to choose encrypted, .CSV or both types of file formats for tamperproof record needs
- > Enables lock-out security levels for different user groups
- > Simplifies record keeping management with ability to archive records to the cloud or a connected PC network
- > Flexibility to pick which parameters to log from
- > Ability to log from 1 up to 128 data logging points simultaneously
- > Choose where you want to store the files - inside the controller, on a connected USB memory device or to a connected PC anywhere in the world
- > Recording rate options range from as fast as 100 milliseconds or once per hour

# Supports Fast and Flexible Application Environments



- > Field pluggable I/O, scalable in increments of one up to 24
- > Programmable function blocks
- > Wide library of hardware options for flexibility
- > Support of custom firmware modifications
- > High and low voltage power supply options
- > Quick changes, additions or repair servicing with modular design



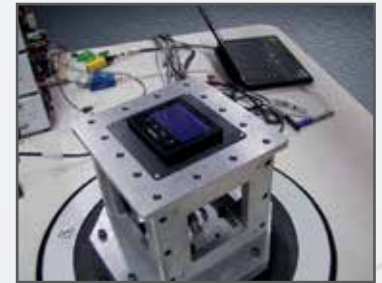
# High Quality and Reliability

- > 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



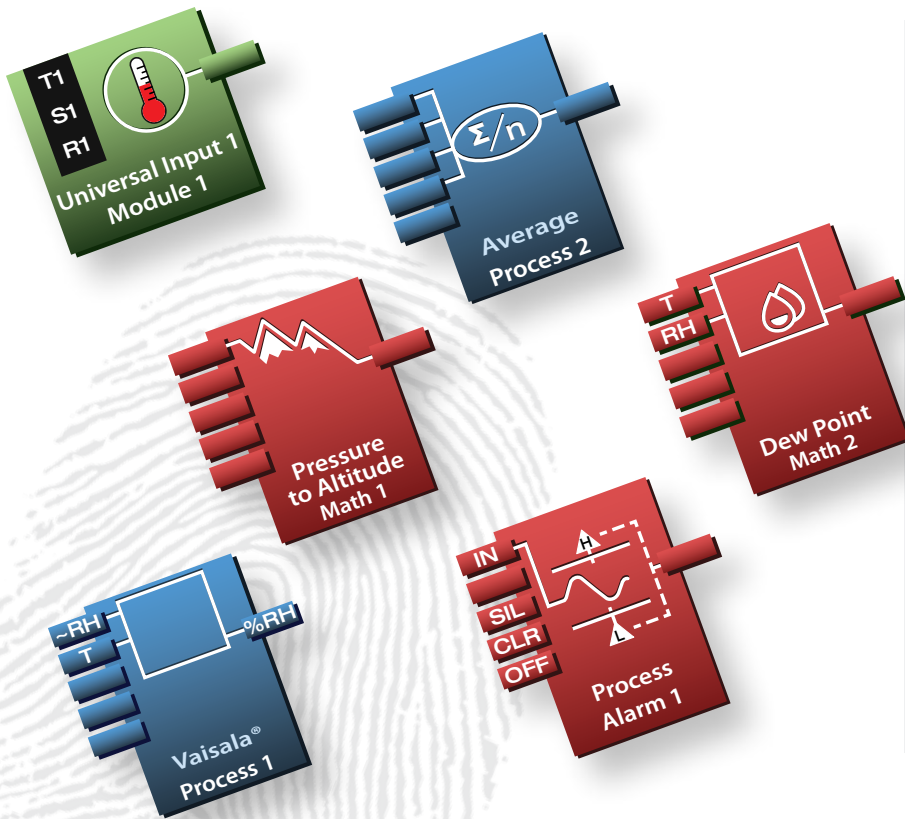
Water test



Vibration test



# Wide Range of Process Measurement



- > Process inputs from temperature, altitude (pressure), humidity, square-root sensors and other general process inputs from analog 0-10VDC or 0-20mA sensors
- > Battery backup and real-time clock
- > Monitor up to 24 sensor inputs
- > Math, logic, averaging, minimum, maximum and other function blocks available

# Easy Connectivity and Data Mobility with File Transfers

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



# Graphical Configuration Tool COMPOSER<sup>®</sup> 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

## Easily Mount with Multiple Options

- > Front panel using standard 1/4 DIN cutout
- > Flush mount with customer supplied overlay for desired aesthetic company or machine branded finish look

D4T fits easily  
in control  
panel cutout





Find out more about Watlow and how we can provide thermal solutions for your company:

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For Additional Information  
Regarding Watlow's D4T Process  
Controller Visit Our Website At:  
[www.watlow.com/d4t](http://www.watlow.com/d4t)



Scan for D4T information including "how-to" videos.

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