The Series IDL Temperature/Process Data Loggers provide an accurate record of temperature or process signals, depending on the model chosen. The compact logger can store over 16,000 records and uses an infrared transfer dock with a RS232 Serial interface for fast downloads. The Series IDL logger has a user selectable sample rate and features programmable high and low alarms that are indicated with an LED and an audible alarm.

SOFTWARE INSTALLATION
1. Ensure that no applications are running.
2. Insert the installation CD and select the install option from the menu.
3. Follow the onscreen instructions.
4. Restart the computer. A new icon will be placed on the desktop.
5. After installing the software, connect the logger.
6. The first time you open the software, you will be prompted to enter a password. The password will only be used if you decide to use the security functions. Enter and take note of the password.

SOFTWARE FEATURES
- Graphing of downloaded data
- Zooming function
- Temperature in °F or °C
- Up to two traces per graph
- Multiple traces per graph (Full Version Only)*
- Exporting to spreadsheet (Full Version Only)*
- Viewing the data table (Full Version Only)*
- Calculating Mean Kinetic Temperature (MKT) (Full Version Only)*
- Emailing graphs (Full Version Only)*

*In order to obtain the Full Version Only features, the software upgrade key must be purchased. To access the full version, the software key is inserted into a USB port on the PC and the full version features are automatically added onto the existing software.

SPECIFICATIONS
DATA LOGGER SPECIFICATIONS
Ranges: IDL-0: -40 to 158°F (-40 to 70°C); IDL-2: 0 to 22mA; IDL-3: 0 to 10V.
Memory Size: 16,384 readings.
Accuracy: IDL-0: ±0.9°F (±0.5°C); IDL-2: ±16µA; IDL-3: ±10mV.
Resolution: 12 bit.
Sampling Method: Stop on memory full.
Sampling Rate: IDL-0/IDL-1: Selectable from 30 sec to 24 hrs; IDL-2/IDL-3: Selectable from 2 sec to 24 hrs.
Power Requirements: One time use, non-replaceable lithium battery (included).
Battery Life: 5 years (approx).
Alarms: Programmable high/low visual and audio indication option.
Interface: Infrared dock with RS232 Series connection.
Housing Material: ABS plastic.
Weight: 1.6 oz (45 g).
Agency Approvals: CE, RoHS.

PROBE SPECIFICATIONS
Ranges: IDL-LT: -40 to 257°F (-40 to 125°C); IDL-HT: 140 to 482°F (60 to 250°C).
Accuracy: IDL-LT: ±1.4°F (±0.8°C); IDL-HT: ±2°F (±1.5°C).

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INPUT CONNECTIONS
The sensors are connected as shown below.

DOWNLOAD DATA
Connect the infrared dock to the PC.
Place the logger face down over the sensor and from the Logger Operations menu, select Read Logger.
Data is then presented graphically. At this stage, data can be saved to the computer.

ALARMS
Within the Issue Window, click the Alarm/LED Blink tab to enter the high and low Alarm Set Points. The high and low Alarm Delays state how long the logger has to be in an alarm state before it is registered as an alarm.
The alarms are armed the first time the temperature is in a non-alarm range. However, if Delayed Start is enabled, then the alarms are armed as soon as it starts logging on the specified date and time.

LOGGER NAMING/LABELING
Within the Issue Window, click the Manifest Text tab. The User Manifest is a label for the logger that takes up to 450 characters and can be changed every time the logger is set.
The Owner Manifest is set the first time the logger is set.

MAINTENANCE
Upon final installation of the Series IDL Data Logger, no routine maintenance is required.
Battery life is shortened by fast logging and use of the visual and audible alarm indications. To preserve battery life, it is recommended to use the longest practical sampling rate, and when the logger is not in use to set the sampling rate to the longest option.
A periodic check of the system calibration is recommended. The Series IDL is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

INITIAL SETTING
The first time a logger is set, you will be prompted to enter an Owners Manifest and a Passcode. This is the only time you will be asked for this information and it cannot subsequently be changed.
Owners Manifest is a label for the logger normally used to record details of the owner and/or details related to the logger such as date purchased, shipment, application, etc.
If the default Passcode is changed, and if it is lost, not even the factory can retrieve it. If this happens then the logger cannot be issued ever again. It is recommended that the Passcode NOT be changed.