SENSORCON

SENSING SOLUTIONS BY **molex**

THE CLIMATE LOGGER

INSTRUCTION MANUAL

THANKS FOR CHOOSING
THE CLIMATE LOGGER

Our engineers have developed a climate data logger that is designed to keep you aware of what's happening in your environment. It's knowledge that fits in your pocket. Our data loggers are affordable, durable, and easy to operate. They come in various flavors that are designed to log light, temperature, pressure, and humidity.

Sensorcon is dedicated to creating durable, high quality environmental sensor products to meet the most demanding of domestic, professional and industrial needs. We proudly have over 10 years of experience in sensor integration and design with all of our products manufactured in the USA. In addition to this, you can easily purchase our products directly from the Sensorcon online store.

HOURS OF OPERATION
Monday To Friday - 8am to 4pm
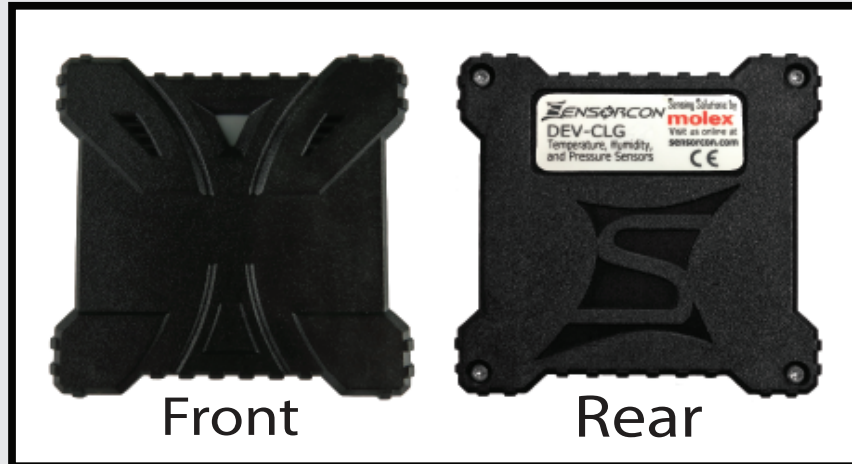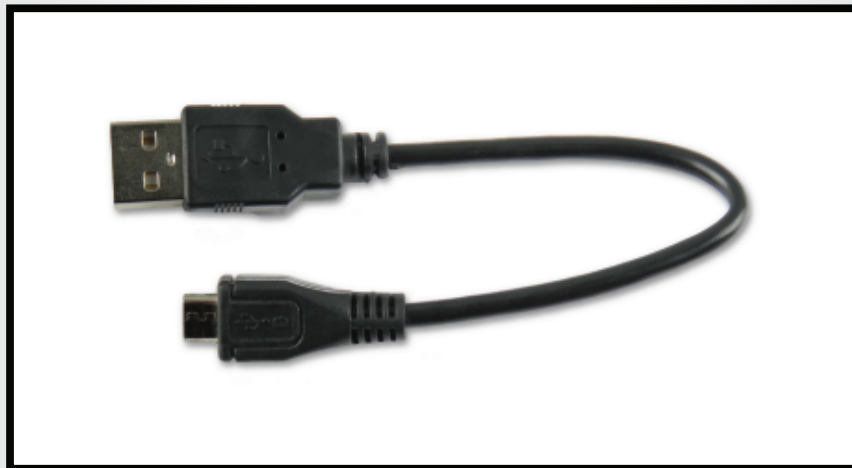**(PLEASE NOTE: Eastern Time Zone)**

CONTACT METHODS
Phone: 1-716-566-2728
Email: sales@sensorcon.com
Website: www.sensorcon.com

PACKAGE CONTENTS

Front   Rear

Climate Logger Unit

Micro USB Cable

Product documentation and instructions are also included in the package.

MAIN DEVICE FEATURES

A. SENSOR INLET - Monitor and log temperature, humidity, pressure, and light in real time or custom desired time frame intervals.

B. LED LIGHT PORT - Serves as a light sensor and LED indicator of the device's status or error codes.

C. USB CONNECTION - Required for your PC as the method to communicate to the user interface software.

D. MAGNET - This allows our logger to be placed onto metallic surfaces.

E. RESET BUTTON - Simply press this button to restore the device to it's default settings.
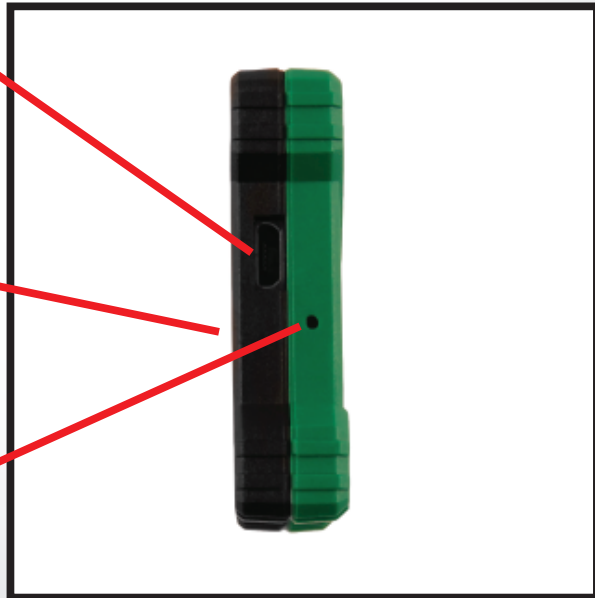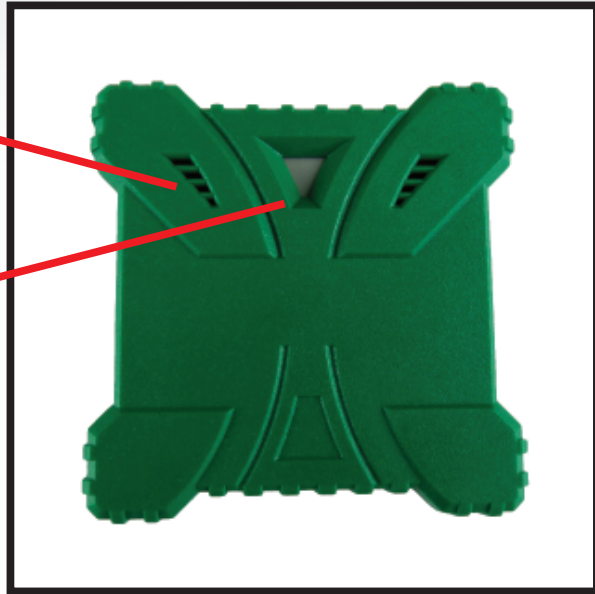
Please refer to diagram on page 5.

A

B

C

D

E

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DEVICE SPECIFICATIONS

TEMPERATURE	-20C to 50C 0.1C resolution ±0.4C accuracy
RELATIVE HUMIDITY	0 to 100% 0.1% resolution ±4% accuracy
PRESSURE	20kPa to 110kPa 4Pa resolution ±400Pa accuracy
LIGHT	0-20k LUX 1 LUX resolution ±5% accuracy
TOTAL MEMORY	98 Kilo Bytes (KB)

AVERAGE LOG FILE SIZE

CLIMATE LOGGER	4 Bytes Per Log 24,576 Total Logs
CLIMATE LOGGER PLUS	7 Bytes Per Log 14,043 Total Logs
CLIMATE LOGGER PRO	11 Bytes Per Log 8,936 Total Logs

SOFTWARE REQUIREMENTS

OPERATING SYSTEM	Microsoft Windows
SYSTEM VERSIONS	Vista / 7 / 8 /10
PROCESSOR SPEED	1 GHZ (Minimum)

MINIMUM RAM REQUIREMENTS	512 MB
HARD DRIVE REQUIREMENTS	100 MB

Please visit us online for more information, including detailed installation instructions. Simply open your preferred web browser and navigate to: **www.sensorcon.com** Then click on the software link to begin the download.
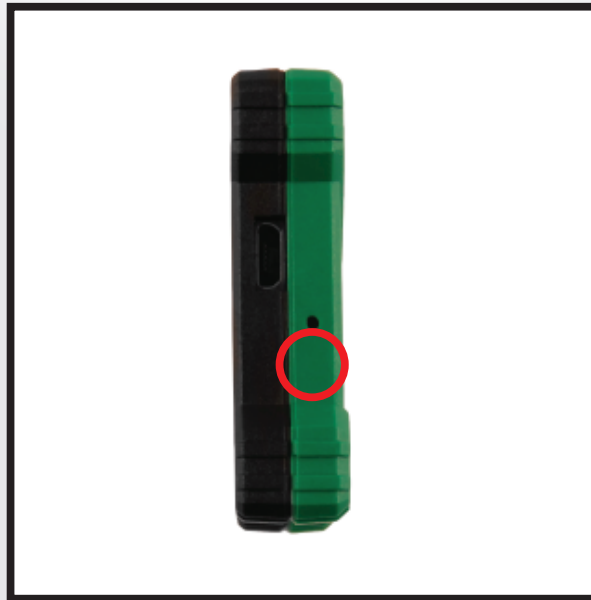
CHARGING CLIMATE LOGGER

Simply plug a standard micro USB charger into the available port. The LED light is **ORANGE** while charging. Once the logger is fully charged the light will turn to a solid **GREEN**.

PLEASE NOTE: The typical recharge time is two hours. A fully charged battery will last between 12 and 16 weeks.

HOW TO RESET CLIMATE LOGGER

If the device appears not to respond, connect, log, or becomes completely non-functional, simply press the reset button with a small pointed object such as ball point pen. The LED lights will flash **RED**, **GREEN**, and then **BLUE** when the device reset is successful. Please refer to the image below.

LED LIGHT INDICATORS

SOLID ORANGE

The device is connected over USB and the battery is charging.

SOLID GREEN

The device is connected over USB and the battery is at full charge.

SOLID RED

The device is connected over USB but the battery is disconnected.

BLINK RED EVERY 5 SECONDS
The device's battery is very low.

BLINK RED EVERY 1 SECOND
A logging memory error occurred.

BLINK BLUE
A single log was taken.

BLINK GREEN EVERY 5 SECONDS
The device is waiting to start future log.

TROUBLESHOOTING
SOFTWARE ERRORS

ERROR MESSAGE: "The sync has been terminated unexpectedly. Please try again"

CAUSE OF ERROR: The device was unplugged while downloading a log.

ERROR MESSAGE: "You have surpassed the maximum number of logs."

CAUSE OF ERROR: The number of samples for this log will not fit into the device's memory.

ERROR MESSAGE: A red X in the top right hand corner of the UI display.

CAUSE OF ERROR: The battery is detached.

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