Logicbus

Event101A

Event Data Logger

PRODUCT USER GUIDE

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PRODUCT USER GUIDE

Product Overview

The Event101A offers an input range of up to 30 V, a reading rate of 4 Hz and a storage capacity of 465,578 readings with ultra-high speed data download capability. Using the MadgeTech Data Logger Software, the Event101A can be also be configured to utilize the memory wrap option to extend deployment capability or program the device for delayed start up to 18 months in advance.

Installation Guide

Installing the Interface Cable

IFC200 (sold separately) — Insert the device into a USB port. The drivers will install automatically.

Installing the Software

The Software can be downloaded from the MadgeTech website at **madgetech.com**. Follow the instructions

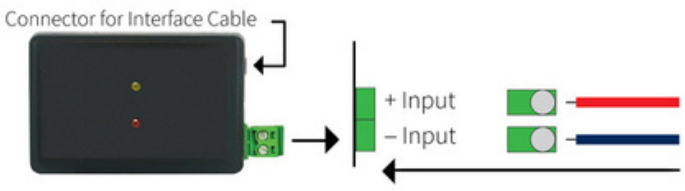
provided in the Installation Wizard.

Wiring the Data Logger

Wiring Options

The Event101A has a two-position removable screw terminal connection. The Event101A accepts 2-wire configurations.

Warning: Note the polarity instructions. Do not attach wires to the wrong terminals.



Device Operation

Connecting and Starting the Data Logger

1. Once the software is installed and running, plug the interface cable into the data logger.

2. Connect the USB end of the interface cable into an open USB port on the computer.

3. The device will appear in the Connected Devices list. Highlight the desired data logger.

4. For most applications, select **Custom Start** from the menu bar and choose the desired start method, reading rate and other parameters appropriate for the data logging application and click **Start**.

• **Quick Start** applies the most recent custom start options

• **Batch Start** is used for managing multiple loggers at once

• **Real Time Start** stores the dataset as it records while connected to the logger

5. The status of the device will change to **Running**, **Waiting to Start** or **Waiting to Manual Start**, depending upon your start method.

6. Disconnect the data logger from the interface cable and place it in the environment to measure.

Note: The device will stop recording data when the end of memory is reached or the device is stopped. At this point the device cannot be restarted until it has been re-armed by the computer.

Downloading Data from a Data Logger

1. Connect the logger to the interface cable.

2. Highlight the data logger in the Connected Devices list. Click **Stop** on the menu bar.

3. Once the data logger is stopped, with the logger highlighted, click **Download**.

4. Downloading will offload and save all the recorded data to the PC.