MADGETECH
WE BUILD DATA LOGGERS

Motion110

Part Number	Motion110
Detection Distance	5M
Detection Range	>80°
Time Resolution	1 second (reading rate dependent)
Memory	13,107
LED Indicator	Red
Required Interface Package	IFC110 or IFC200
Typical Battery Life	5 years typical at 25°C
Baud Rate	57,600
Operating Environment	-20 to +60°C, 0 to 95%RH non-condensing
Dimensions	1.7" x 2.7" x 0.8" (44mm x 69mm x 21mm)
Materials	ABS Plastic
Approvals	-

Motion110
Motion Recorder

Battery Warning

WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80℃ (176°F).

Specifications subject to change.
See MadgeTech's terms and conditions at www.madgetech.com

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visit our website at www.madgetech.com.

Product Notes

LEDs

Once started, the LED will flash at the selected reading rate to indicate that the device is running.

Installation Guide

Installing the Interface cable

- IFC200, IFC202 or IFC300

  Insert the device into a USB port. The drivers will install automatically.

- IFC110, IFC102 or IFC103

  Plug the serial cable into the port and verify it is secure.

- USB-1 or USB-101

  Install the USB drivers from the CD provided in the kit, than plug the USB cable into the computer and the serial cable into the serial port.

Installing the software

Insert the Software CD in the CD-ROM Drive. If the autorun does not appear, locate the drive on the computer and double click on Autorun.exe. Follow the instructions provided in the Wizard.

Connecting the data logger

- Once the software is installed and running, plug the interface cable into the data logger.
- Click the Communication Menu, then Auto Configure Port.
- After a moment, a box will appear stating that a device has been found.
- Click **OK**. The **Device Status** box will appear. Click **OK**.
- At this point, communications have been configured for your logger. These settings can be found under the **Communication Menu**.

Note: For additional installation instructions refer to your "Data Logger & Software Operating Manual".

Device Operation

Starting the data logger

- Click **Device Menu** then **Start Device**.
- Choose the desired start method.
- Choose the start parameters by selecting a **Reading Rate** suitable for your application.
- Enter in any other desired parameters and click **Start**.
- A box will appear stating the data logger has been started. Click **OK**.
- 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

- Connect the data logger to the interface cable.
- Click the **Device Menu** then **Read Device Data**. This will offload all recorded data onto the PC.

Device Maintenance

Battery Replacement

Materials:

Small Phillips Head Screwdriver

Replacement Battery (LTC-7PN)

- Puncture the center of the back label with the screw driver and unscrew the enclosure.
- Remove the battery by pulling it perpendicular to the circuit board.
- Insert the new battery into the terminals and verify it is secure.
- Screw the enclosure back together securely.

Note: Be sure not to over tighten the screws or strip the threads

Recalibration

The Motion110 has a digital input signal and cannot be calibrated. A certificate of conformance can be provided.

To send the devices back, visit www.madgetech.com, select **Services** *then* **RMA Process.**