

# **Ad Hoc Electronics**

## **Installation and Operation Instructions Wireless Motion Sensor Module**

**Description:** The motion scoring module measures motion and transmits packets which contain information pertaining to the motion which it measures. It is installed in locations where motion is to be monitored.

**Service Button:** Briefly press the service button to activate the module. Press and hold for several seconds, then release, to deactivate the module.

### Packet Structure: Adhoc Motion (13/12)

IDSSSSSSSS665544332211CCCCCKK<CR>

*Note: All fields are in ASCII Hex*

"ID"

This field is the device type and mode indicator, the value 13 indicates that this is a Adhoc Motion sensr; 12 indicates the Adhoc Motion Sensor is in service mode.

"SSSSSSSS"

The MS-30 bits of these 4-bytes are the serial number of the Adhoc Motion Sensor. The LS-2 bits are used for extra information. Bit 1 is always zero. Bit 0 – battery indicator: 0 – Okay; 1 – Battery Low

"66" – Byte 6 – Sequence ID number. Incremented every time a new packet is transmitted.

"55" – Byte 5 – Score\_A

"44" – Byte 4 – Score\_B

"33" – Byte 3 – Score\_C

"22" – Byte 2 – Score\_D

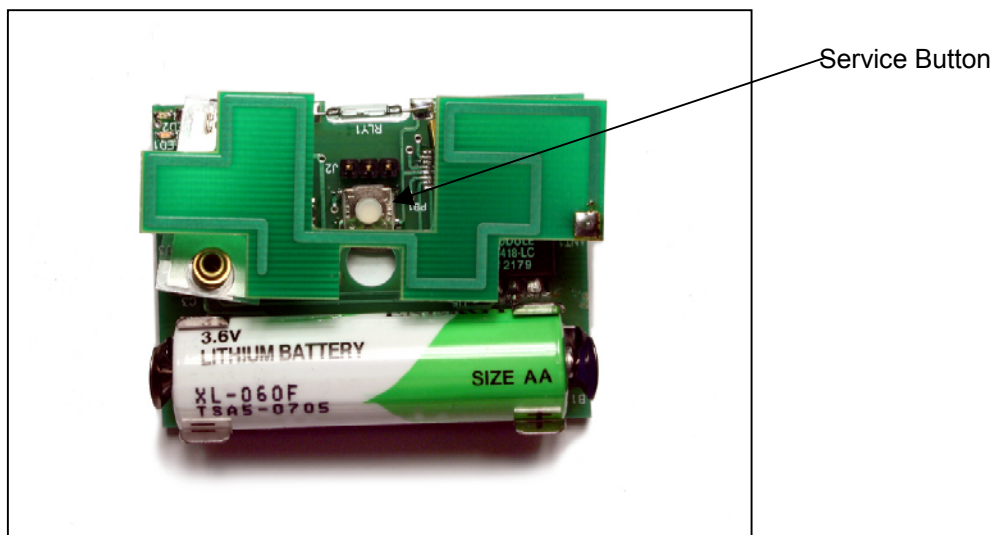
"11" – Byte 1 – Score\_E

"CCCC"

This field is the CRC-16 error check as was originally received and checked. This CRC is over the first 11 bytes of the packet starting with the device type and ending with inclusion of the "0000000000" data.

"KK"

This field is the mod 256 sum of all the binary data values as represented by the ASCII hex values in the response but does not include the <CR>.



**FCC ID: VJC-ADHOC-MOT-HM**

**MADE IN USA**

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.