CloudHawk™
Accurate, Affordable GPS Tracking

CS100 Series Wireless Sensor User Manual

For more information please visit our website at
http://www.cloudhawk.com

Notice

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC WARNING: This equipment 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.
NOTE 1: 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.
NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

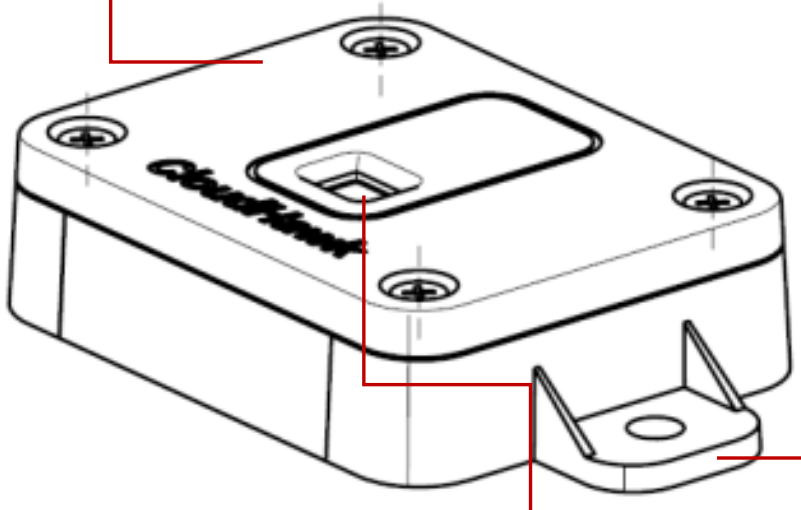
IC WARNING: This equipment contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Important: It is the user's responsibility to ensure that the use of CloudHawk services complies with the applicable laws in the country of usage. Spark Technology Labs Inc. is not responsible the user's violation of any of the respective laws or regulations.
For more information: Visit the CloudHawk website (www.cloudhawk.com) for the latest updates and additional information on any of the CloudHawk family of products. Our Terms of Service are made available and maintained on the website regularly.

Hardware Overview

CS100 Wireless Sensor*



Mounting screw holes (2x)
(for mounting on a flat surface)

Cover glass or ventilation hole

* **WARNING:** Please do not open the sensor box as this may compromise the waterproofing capability of the device and will void the warranty

Specification

Dimensions	64.8 mm × 50.8 mm × 17.8 mm
Weight	50 g
Battery	1000 mAh CR2477 Lithium Coin Battery
Battery life	5~20 years
Connectivity	Bluetooth 4.2 Low energy
Transmit power	+8 dBm
Ranging capability	±25 mm accuracy, 40 ~ 2500mm
Temperature measurement capability	±0.4 °C accuracy, −10 to 85 °C ±1.0 °C accuracy, −40 to -10 °C
Humidity measurement capability	± 3% accuracy, 0−80% RH ± 5% accuracy, 81−99% RH

Designed by SparkTechLabs in Canada