CalAmp PTAG04 SC iOn Tags with Proximity Sensors User Manual

PTAG04 SC iOn Tags with Proximity Sensors

STAG04HT & PTAG04

Contents

Operation manual

Calamp's STAG04 have been developed to work alongside the tracking and monitoring devices. They can report presence/ absence as well as the data for alert notifications (temperature/ humidity). The logging checks and stores temperature and humidity every 60 seconds to local memory. When in the range of a compatible device, the logged data is communicated to our server for storage, visualization and analysis.

Installation of the STAG04 is via a 3M adhesive backing which provides a strong attachment to plastic and metal assets. Each STAG04 has a unique identifier that is presented as a number and a barcode on its label. Association is completed by scanning this barcode and entering details regarding the asset.

The STAG04 communicates via a proprietary protocol over 2.4GHz, with a Tx power of 0dBm. The range is 20m indoors, and 80m outdoors (LOS). The LocoTag reporting interval is every 5 seconds, and the logging frequency is 15 minutes, which provides a 30 day logging buffer. The temperature accuracy is sub 1 degree C (NIST traceable) and humidity is sub 2% RH accuracy.

Regulatory Information

Human Exposure Compliance Statement Pursuant to 47 CFR § 15.247 (i) of the FCC Rules and Regulations, personal communications services (PCS) equipment is subject to the radio frequency radiation exposure requirements specified in § 1.1307(b), § 2.1091 and § 2.1093, as appropriate.

CalAmp Wireless Networks Inc. certifies that it has determined that the STAG04HT & PTAG04 complies with the RF hazard requirements applicable to broadband PCS equipment operating under the authority of 47 CFR Part 15, Subpart C of the FCC Rules and Regulations. This determination is dependent upon installation, operation and use of the equipment in accordance with all instructions provided.

The STAG04HT & PTAG04is designed for and intended to be used in fixed and mobile applications. "Fixed" means that the device is physically secured at one location and is not able to be easily moved to another location. "Mobile" means that the device is designed to be used in other than fixed locations and generally in such a way that a separation distance of at least 20 cm is normally maintained between the transmitter's antenna and the body of the user or nearby persons. The STAG04HT & PTAG04is not designed for or intended to be used in mobile applications (within 20 cm of the body of the user) and such uses are strictly prohibited.

To ensure that the STAG04HT & PTAG04complies with current FCC regulations limiting both maximum RF output power and human exposure to radio frequency radiation, a separation distance of at least 20 cm must be maintained between the unit's antenna and the body of the user and any nearby persons at all times and in all applications and uses.

FCC Rules and Industry Canada (IC) regulatory information Compliance Statement (Part 15.19) The equipment 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 (Part 15.21) Changes or modifications not expressly approved by Calamp Wireless Networks could void the user's authority to operate the equipment. Manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Compliance Statement (Part 15.105(b))

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 Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Class B digital device notice “CAN ICES-3 (B)/NMB3(B)”

RF Radiation Exposure Statement

This equipment complies with the FCC/IC radiation exposure limits set fourth for mobile transmitting devices operation in an uncontrolled environment. End users must follow the specific operating instructions to satisfy RF exposure compliance. The equipment should only be used where there is normally at least 20cm separation between the antenna and all person/user. This transmitter must not be co-located or operation in conjunction with any other antenna or transmitter. Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.

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Documents / Resources

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