

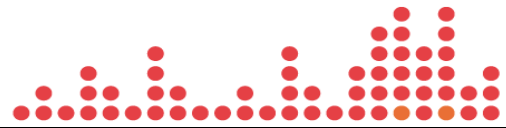


Product Information Sheet

QDAC Wireless Tag Version 1.0 WT001

By

QDAC Systems



Product Name	QDAC Wireless Tag
Model Number	WT001
Document Release Date	November 15 2013
Document Version	1.0

1 Product Description

The QDWT001 is a fully self contained wireless RF tag that uses a transceiver operating at 433 MHz to send data it has recorded from an externally connected digital sensor and to receive commands. The tag will respond to commands that will change operating parameters like logging data internally until the unit is able to communicate with a receiver to offload data. The tag includes an external connector to which a digital sensor, like a temperature probe, can be connected.

Characteristic	Value
Radio Frequency	433 MHz
Radio Transmit Power	10 dBm
Transmission Rate	Variable - maximum of once every 10 seconds
Transmission Duration	12.5 milli-seconds per transmission
Battery	Internal Lithium
Operating Temperature	-40 C to +80 C
External Sensor Connector	5 pin IP69k rated connector for external digital sensor
Enclosure	IP69k UV Stabilized ABS

2 Regulatory Conformance & Compliance Statements

The FCC ID for this device is 2ABAW-QDWT001. The FCC authorization has been granted to (ie. "grantee"):

QDAC Inc.
105 Lexington Rd.
Waterloo ON N2J 4R7
Canada
519-725-8365

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.



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

CAUTION: Any changes or modifications to this unit not expressly approved by QDAC Inc. could void the user's authority to operate this equipment.

Industry Canada Compliance Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-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.

Déclaration d'Industrie Canada

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.