

Data Sheet:

T5cs Contact Sensor Tag

Provides a Wi-Fi based solution for contact sensor and detector monitoring

Overview

The T5cs Contact Sensor Tag adds advanced contact sensor and detector monitoring technology to STANLEY Healthcare's market-leading family of Wi-Fi Tags. The battery powered tag supports any standard normally closed (NC) or normally open (NO) contacts, allowing it to connect to a variety of contacts, sensors and detectors, such as door and window magnetic contact sensors, motion sensors or smoke and flood detectors.

Once connected, the tag transmits, via the wireless network, anytime there is a change contact status, such as the opening of a door or window that needs to remain closed. Additionally the tag can be used to trigger unauthorized entry alerts to medical cabinets or cupboards, and can be configured to send alerts when a refrigerator or freezer door has been left open for an extended period of time.

The T5cs Contact Sensor Tag leverages a wireless network infrastructure to report alerts and periodically sends check-ins to ensure reliability.



Key Features

Normally Open or Normally Closed Contacts

The tag is equipped with cables that can be connected to support either a normally closed (NC) or normally open (NO) contact. The tag transmits its contact status when the contact is either opened or closed.

Various Connection Options

The T5cs Contact Sensor Tag connects to a variety of contact sensors and detectors, such as door, refrigerator/freezer and window magnetic contact sensors, motion sensors, smoke and flood detectors.

Wireless Tag Reporting

The tag periodically sends a check-in message to MobileView, reporting its current contact state. If the tag's contact state changes at any time, a message is immediately sent to MobileView.

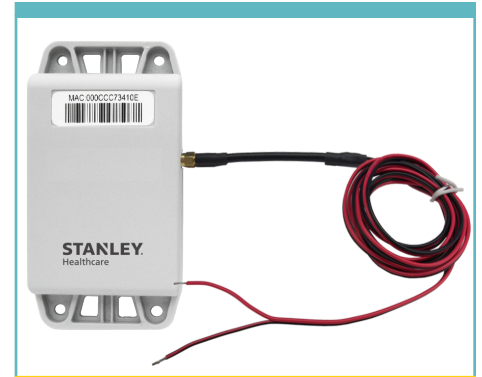
Long Battery Life

The T5cs Contact Sensor tag has a replaceable battery that provides up to 3 years battery life*. The tag is able to report its battery level which is displayed in MobileView.

* Battery life depends on transmission interval.

Flexible Mounting Options

The tag can be mounted on flat surfaces using screws, velcro or adhesives, and on poles using tie wraps.



Product Highlights

- Leverages standard Wi-Fi infrastructure for low total cost of ownership and ease of deployment
- Supports either a normally closed (NC) or normally open (NO) contact
- Various connection and attachment options
- Wireless Tag Reporting
- Long battery life

Tag Management

T5cs Tags are easily configured and activated wirelessly using the Tag Manager application and a TED device, which are part of the Hardware Manager Kit (See Tag Accessories). Tag events are configured in MobileView.

Compatibility and Non-interference

T5cs Tags are 802.11b/g compatible. The tag's clear channel-sensing techniques avoid interference with Wi-Fi networks. The use of the unlicensed 2.4GHz frequency band at low power levels ensures no interference with other wireless equipment, making the tags safe for use with such sensitive equipment as medical devices in a hospital.

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Product Specifications		
Part Number	SKU: TAG-5550 - T5cs Contact Sensor Tag. Includes 1.8 meter cable (6 foot).	
Range	Outdoor range: Up to 200m (650 feet) Indoor range: Up to 80m (260 feet)	
Physical and Mechanical	Dimensions: 3.35 x 2.32 x 0.75 inch (85x 59 X 19 mm), 113mm length (4.54inch) with flanges Total Weight: 85g (3oz)	
Radio	802.11 b/g compliant (2.4 GHz) Low frequency receiver (125kHz) Transmission power: up to +19dBm (~81mW) Patented clear channel sensing avoids interference with wireless networks	
Environmental	Operating Temperature: 0°C to 50°C (32°F to 122°F) Humidity: 0 to 95%, RH non-condensing Ingress Protection Rating: IP-54	
Electrical	3.6V AA replaceable Lithium battery Battery life: Up to 3 years with a TX interval of 15 minutes. Battery life also depends on usage.	
Input Signals	Single normally open (NO) or normally closed (NC) contact Red Cable (22 AWG) Black Cable (22 AWG)	
Certifications	Radio: FCC Part 15 (b) and (c) EN 300-328, EN 300-330, EN 301-489, RSS 210 (Canada), IEC 61000 / EN 60601-1-2:2007 Safety: US, cTUVus (UL 60950, IEC 60601) CE, (EN60950)	
Accessories	Velcro Attachment Kit (50 pairs per pack)	SKU: TAC-030
	Adhesive Tape Patches (50 pack)	SKU: TAC-031
	Tie Wraps 2" (100 pack)	SKU: TAC-060
	Tie Wraps 5" (100 pack)	SKU: TAC-061
	Hardware Manager Kit for the configuration of Tags	SKU: HWM-1000