RFID Card TAG

User Manual

Version 1.3

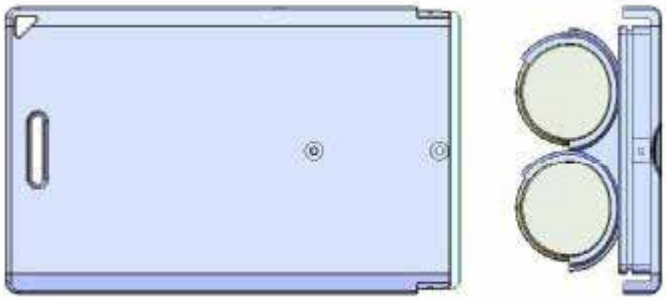
2007/08/06

一、Product Specification

Specification \ Model	SYTAG245-2C, SYTAG245-2C-BM
TAG Picture	
Communicate	2.45GHz support read and write
Frequency	2401.4-2480.18 GHz
Channel	316
Address	65536
Transmission Range	Up to 125m
RSSI	0~255
Parameters	Transmission interval programmable / Wireless tag programming
Wake on radio	ON / OFF
LED	Two-color LED visual indication
Call button capabilities	Emergency reporting / Signal transmission
Buzzer	Yes
Built-in Light sensor	N/A
Temperature sensor	N/A
Battery type	3V CR2032 x 2
Battery life	1~4 years
Idle current	3 μA@3VDC
Action current	24 mA@3VDC
Operating temperature	-20°C to 60°C, 5 to 95% RH
Storage temperature	-20°C to 60°C, 5 to 95% RH
Housing	Splash resistant case
Dimensions (mm)	86W x 54H x 6D

SYTAG245-2C(SYTAG245-2C-BM)

1. Diagram



2. Features:
   - Card design.
   - Two batteries for long life.
   - Concealed button in the central of the card tag.
   - Remote ON/OFF Tag.
   - Wireless tag programming.
   - Two colors LED visual indication: Generally, the emitting signal will glitter green light; when it's low battery, it will glitter red sight.
   - Buzzer：Remote active beep or click active beep.
   - Optional: Built-in passive RFID. (13.56MHz or 125 KHz)

3. How to replace battery:
   ---Loosen the screw to pull out the bracket of the battery carefully.
   ---Replace two batteries and than insert the bracket into the case.
   ---Tighten the screw.

4. Set Parameters:
   You can set TAG emitting frequency, receive frequency, ON/OFF Tag, LED indication and buzzer with SYRIS Xtive utility.
   (Please refer to Xtive Utility user manual)

5. Battery Life:
   Battery life is affect by TAG emitting frequency and receives frequency. Increasing emitting/receives frequency will shorten the battery life.

   Ex.
   Battery life for 6 month setting :
   Set TAG active time = 1 x 2.5 sec, Set Tag Receive Count =10
   Battery life for 2 years setting :
   Set TAG active time = 1 x 20 sec, Set Tag Receive Count =10

FCC Statement

NOTE: 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.

Changes or modifications not expressly approved by SYRIS Technology Corp. could void the user's authority to operate this equipment.