



## 1.0 Product introduction

The Digitag-F type DTFT01 is a radio active tag, operating at 433,92 MHz in GFSK modulation.

The tag transmits continuously a radio pulse with a period of 1 sec.

A special algorithm adds to the rated time period a small slot, realizing, in this way, an anticollision system, which avoids the overlapping of the RF signals of many tags when standing simultaneously in the same field.

## 2.0 Product range

P/N	Description	F-Code
DTFT01	Active tag	F0104000050
DTFT01HR	Active tag with build-in 125 KHz HID passive tag	F0104000049

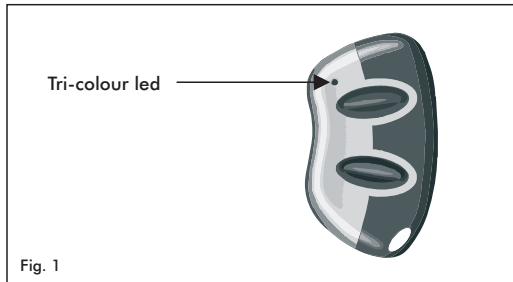
## 3.0 Technical specifications

Operating frequency:	433.92 MHz
Modulation:	GFSK
Frequency deviation:	100 KHz
E.r.p. power:	4 $\mu$ W
Transmission period:	1 Sec + anticollision slot
Frame duration:	555 $\mu$ Sec
Power supply:	3 Vdc
Battery:	Lithium CR2032
Security code combinations:	16777215
Range in open space:	20 m
Operating temperature:	-30°C / +70 °C
Dimensions:	61 x 36 x 16 mm
Weight:	20 gr.

## 4.0 Led Messages

The tag is equipped with a tri-colour led which gives the following information:

- **Tag activity:** the led makes a flash every 5 radio transmissions, for battery saving reasons.
- **Battery status:** the colour of the flash gives the status of the battery, according to the following table:



Led colour	Description
GREEN	<b>Regular status:</b> battery life 1 year
ORANGE	<b>Battery low:</b> the functionality of the tag is guaranteed for 1 month
RED	<b>Battery empty :</b> Change battery : tag functionality not guaranteed.

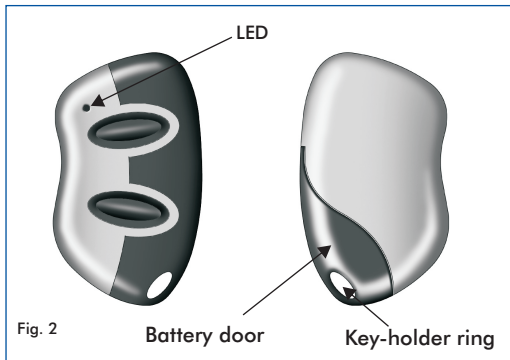


Fig. 2

Battery door

Key-holder ring

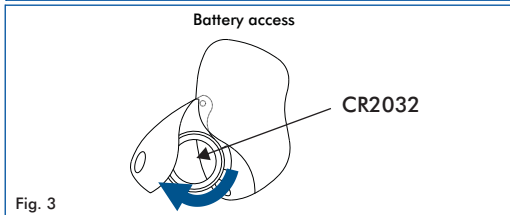


Fig. 3

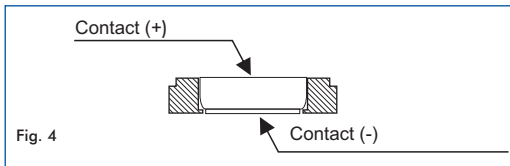


Fig. 4

**ATTENTION:** the tag is provided with a transparent strip which prevents the automatic transmission. Remove it before use.

IS-DTF01UK Rev. 1 on 13/05/2013

## FCC ID : PWJDTFT01

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 interference received, including interference that may cause undesired operation.

### Guarantee

The guarantee period of this product is 24 months, beginning from the manufacturing date. During this period, if the product does not work correctly, due to a defective component, it will be repaired or substituted at the discretion of the producer. The guarantee does not cover the plastic container integrity.

After-sale service is supplied at the manufacturer factory.

### RF EXPOSURE WARNING



This EUT is in compliance with MPE for general population / uncontrolled exposure limits and it had been tested in accordance with the measurement methods and procedures specified in

FCC 47 CFR § 1.1310 and 2.1091

To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance are not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.



Manufactured by  
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