



# Description of UKO PLX1004STU

		For review by:		
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		Approved:		
				

## 1. TAG DUALFREQUENCY UKO PLX1004STU

Normally off, it activates in the area of influence of the UKO PLX2101FHU illuminator. In reply, it transmits its own code preceded by the code of the illuminator in whose area the TAG was activated, at a reply frequency of 433MHz. Equipped with replaceable lithium battery, it has an endurance of over 100,000 transmissions.

The activation range at 2.45 GHz under the UKO PLX2101FHU illuminator is about 12 meters in free area; the transmission at 433 MHz to the receiver UKO PLX2002, compliant with ETSI EN 300-220, can vary between 40 meters and 60 meters in free area.



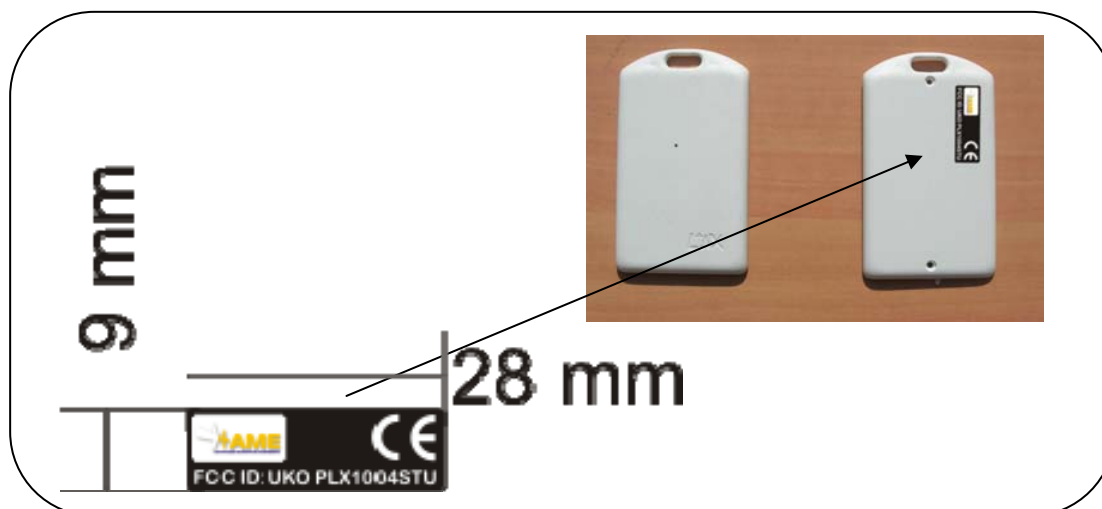
### Mechanical Characteristics

Parameter			
External dimensions (L x H x P)	95 mm	56 mm	9 mm
Colour	White		

### Wiring for UKO PLX1004STU

The system is self-powered and requires no wiring.

### POSITION OF LABEL



## 2. CHARACTERISTICS

### Mechanical characteristics

<i>Parameter</i>			
External dimensions (L x H x W)	95 mm	56 mm	9 mm
Protection rating	IP20		
Colour	White, customized on request		

### Electrical characteristics

<i>Parameter</i>	<i>Min.</i>	<i>Typ.</i>	<i>Max.</i>
Duty cycles			>100,000
Input supply voltage(Vcc) 3 V (mod. Lithium battery. 2032)	2.7V	3 V	3.3 V
Power consumption			
Active in TX RF			25 mA
Active in RX MW	4 mA		
Standby		1.5 $\mu$ A	
Total			25 mA

### Environmental specifications

<i>Parameter</i>	<i>Min.</i>	<i>Typ.</i>	<i>Max.</i>
Temperature range for operation	-10 °C		+60 °C
Temperature range for storage	-55 °C		+125 °C
Humidity	--	--	--

### Radio Frequency Specifications

#### 433 MHz. transmitter

Band	European ISM 433
Operating frequency	433.92 MHz
Data transfer type	Unidirectional
Modulation	OOK / AM
Coding	Manchester
Bitrate	4800 bps
Outdoor range min	30 m
Output power max	-14 dBm e.i.r.p.

Complies with FCC 15.231 standards

#### 2.45 GHz receiver

Band	2400 – 2483 MHz
Operating frequency	-
Data transfer type	Unidirectional
Modulation	OOK / AM
Coding	Manchester
Outdoor range	8 m
Rx sensitivity	-35 dBm