tracesafe

All Safe LR44 Cube

This is a BLE 5.0 controllable tag used for contact tracing and other workplace health and safety applications. It operates with a LR44 coin cell battery, gives LED indications for ON/OFF operations and during Contact tracing LED blinking and vibration alert (optional) will be there. This hospital-grade, lightweight tag is waterproof, hypoallergenic, latex-free, and skin-friendly.

1.   Features

- Bluetooth Low Energy 5.0 wireless protocol
- Compatible with Tracesafe's AllSafe system
- 105mAh non rechargeable battery
- LED Indication and push button
- Vibrate motor (Optional)
- Waterproof
- Lightweight

2.   Specifications

Electrical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Supply Voltage		1.2	1.5	1.6	Vdc	Zinc/Manganese Dioxide high drain nonrechargeable battery

RF	Symbol	Min.	Typ.	Max.	Unit	Remarks
Frequency Range		2402		2480	MHz	
TX Power			4		dBm	
Receiver Sensitivity			-91		dBm	

Environmental	Symbol	Min.	Typ.	Max.	Unit	Remarks
Operating Temperature	tj	0		50	ºC	
Storage Temperature	ts	-25		90	ºC	
Relative Humidity	RH	20		95	%	

Mechanical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Dimensions			27 X 29 X 8		mm	L X W X H
Net Weight			2		g	In gram

3.   Device Dimensions

Top view; Case Material: PVC
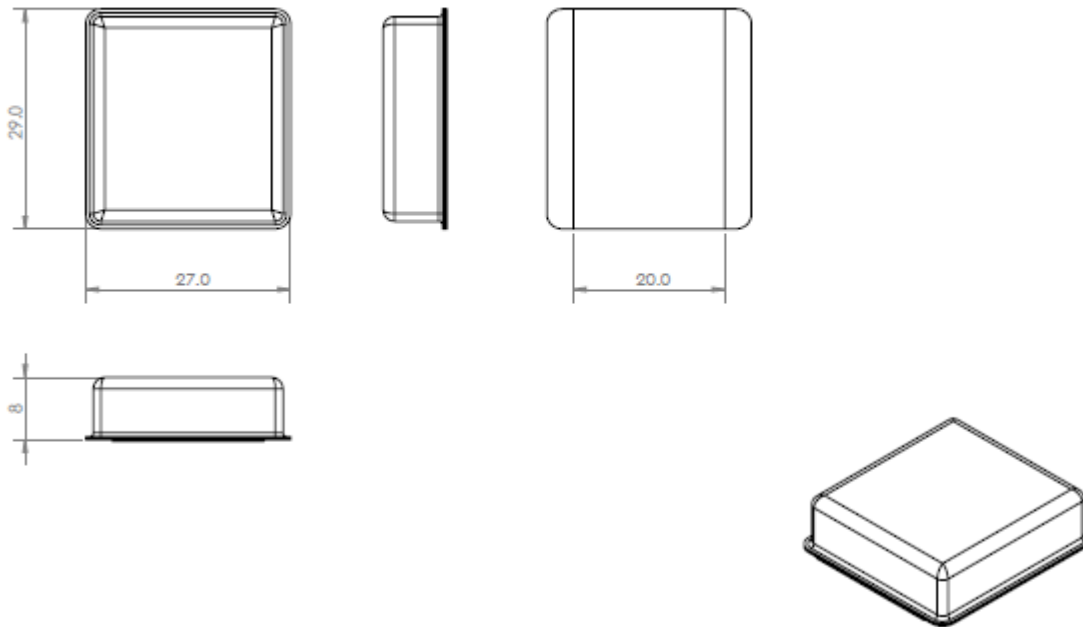
4.   Operations of TTLQ

The tag has an LED which indicates the state of the tag.

- Initially tag is powered off – LED is not lit.

- Tag is powered on by pressing the tag button for 4sec _ LED will blink for 30 sec (Pairing time).

- After Pairing Time, beacon packets will be transmitted – LED will not be lit.

- During Contact tracing LED blinking and vibration alert (Optional) will be there.

- Tag may be powered down by pressing button for 15 sec when powered – LED will fast blink 3 times and turn off.

5.   Ordering Information

Product Code	Product Name
TTLQ	**All Safe LR44 Cube**

tracesafe

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Version 1.0

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.