

### SOS Signal Description

Item 序号		Length 长度	Description 说明
BYTE0	Len	1 BYTE	Data Length 数据长度 LEN(cmd)+LEN(device_id)+LEN(RSSI)+LEN(crc)
BYTE1	Cmd	1 BYTE	<p>Instruction 命令：  =0x01, Normal help signal data, there is only 1 byte of data in payload. Pressing the button less than 3 times(not including 3 times) to trigger it.</p> <p>=<b>0x01</b>, 普通求助信号数据, <b>payload</b> 中只有一个字节数据, 按键按下次数小于 3 次 (不包括 3 次) 触发</p> <p>=0x03, fire signal data, there is only 1 byte of data in payload. Pressing the button more than 3 times less than 5 times(not including 5 times) to trigger it.</p> <p>=<b>0x03</b>, 着火信号数据, <b>payload</b> 中只有一个字节数据, 按键按下次数大于等于 3 次, 小于 5 次 (不包括 5 次) 触发</p> <p>0x05, shooting signal data, there is only 1 byte of data in payload. Pressing the button more than or equal to 5 times to trigger it.</p> <p>=<b>0x05</b>, 射击信号数据, <b>payload</b> 中只有一个字节数据, 按键按下次数大于等于 5 次触发</p> <p>=0x06, “someone needs assistance” signal data, there is only 1 byte of data in payload. Long press the button more than 3 seconds to trigger it.</p> <p>=<b>0x06</b>, 工作人员需要协助信号数据, <b>payload</b> 中只有一个字节数据, 按键长按 3 秒以上触发</p> <p>=0x0f, heartbeat data, there is only 1 byte of data in payload.</p> <p>=<b>0x0f</b>, 心跳数据, <b>payload</b> 中只有一个字节数据</p> <p>=0x**, others, invalid</p> <p>=<b>0x**</b>, 其他, 无效</p>
BYTE2~9	device_id	8 BYTE	Unique identification number 唯一身份识别码
BYTE10	RSSI	1 BYTE	<p>Range: 0~127, unit:dbm, for example, RSSI=0xC1, means the strength of the signal is -63dbm</p> <p>范围: 0 ~ -127, 单位: dbm, 比如 RSSI=0xC1 时, 表示信号强度为-63dbm</p>
BYTE11	Receiver software version 接收器软 件版本	1 BYTE	0x03, means software V03 0x03, 表示软件版本 V03
BYTE12	Transmitter software version 发射器软 件版本	1 BYTE	0x03, means software V03 0x03, 表示软件版本 V03
BYTE13	Crc	1 BYTE	<p>For DATA(len)、DATA(cmd)、DATA(device id)、DATA(RSSI) to operate CRC execute For details, see Section 3.</p> <p>对 DATA(len)、DATA(cmd)、DATA(device id)、DATA(RSSI)进行 CRC 运算, 详情见第三章节</p>

**FCC WARNING**

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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:

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

The device has been evaluated to meet general RF exposure requirements. The device can be used under portable exposure conditions.

In order to comply with the FCC's RF exposure guidelines, The RF Button Transmitter should be installed and operated at a minimum distance of 5 cm from the heat sink.