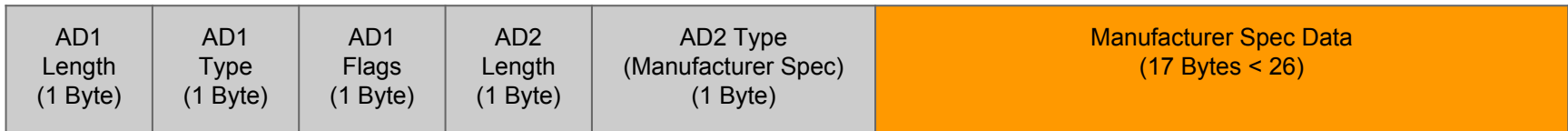


INGICS

iBS02 Payload Format

Apr, 2017
rev. 1

Sensor Tag Packet (iBS02)



AD1 (Length, Type, Flags)	BLE Advertising Flags
AD2 Length	depends on payload length
AD2 Type	fixed to 0xFF (for manufacturer)
Manufacturer Spec Data	manufacturer defined payload (currently as 0x000D)

example:

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290110FFFFFFFFF000001000000

LF

Sensor Tag Packet Proposal for RS (iBS02)

MFG Code (2 Bytes)	Beacon Code/ Type (2 Bytes)	Tag Batt (2 Bytes)	Event Status (1 Byte)	Reserved (2 Bytes)	Reserved (2 Bytes)	User (2 Bytes)	Sub Type (1 Byte)	Reserved (3 Bytes)
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* Endianness: little endian

Field	Description	Field Offset
MFG Code	Manufacturer vendor code, fixed	
Beacon Code and Type	Magic Code to identify packet format, fixed to 0xBC83	
Tag Batt	batt voltage of tag in 0.01v unit	
Event Status	8bits for 8 input: PIR: bit4(0x10), IR: bit5(0x20)	
User	Configurable by user through App	
Subtype	Used as sub model, type: 0x01: PIR, 0x02: IR	

example:

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290110FFFFFFFF000001000000

Reader Output Example(iBS02)

example:

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290110FFFFFFFF000001000000

→ **iBS02PIR object detected**

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290100FFFFFFFF000001000000

→ **iBS02PIR object not detected**

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290120FFFFFFFF000002000000

→ **iBS02IR proximity detected**

\$GPRP,EAC653D3AA8D,CCB97E7361A4,-44,02010612FF0D0083BC290100FFFFFFFF000002000000

→ **iBS02IR proximity not detected**

REVISION

VER	DATE	CHANGES	NOTE
1	Apr, 2017	Initial release	