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# 1. Bluetooth general information

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|---|---|
| General information | **https://www.bluetooth.com/bluetooth-technology** |
| BLE Specifications | **https://www.bluetooth.com/specifications** |
| BLE Services et Characteristics | **https://www.bluetooth.com/specifications/gatt** |

## 2. Applicable products

| Blue PUCK ID |
| --- |
| IDF25240D |
| **Blue PUCK T** |
| IDF25241D |
| **Blue PUCK RHT** |
| IDF25242C |
| **Blue PUCK MAG** |
| IDF25243D |
| **Blue PUCK MOV** |
| IDF25244C |
| **Blue PUCK BUZZ** |
| IDF25245C |
| **Blue PUCK DI** |
| IDF25246B |
| **Blue PUCK AI** |
| IDF25248B |
| **Blue PUCK DO** |
| IDF25247B |
| **Blue PUCK T EN12830** |
| IDF30241C |
| **Blue PUCK T Probe** |
| IDF25250 |
| **Blue PUCK PIR** |
| IDF25249A |

| Blue COIN ID |
| --- |
| IDF10240C |
| **Blue COIN T** |
| IDF10241C |
| **Blue COIN MAG** |
| IDF10243D |
| **Blue COIN MOV** |
| IDF10244C |

| Blue SLIM ID |
| --- |
| IDF03240B |

| Blue WATCH ID |
| --- |
| IDP27240A |

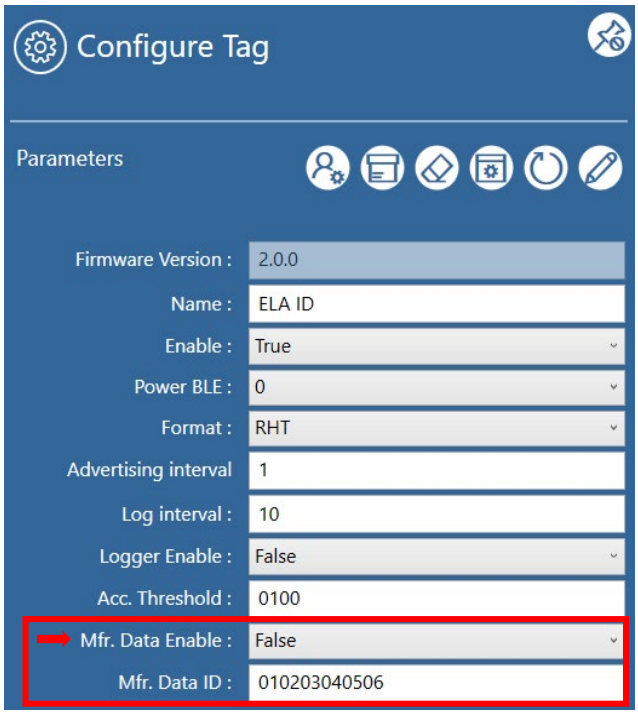
| Blue LITE ID |
| --- |
| IDF28240 |

# 3. General information

## a. “Services Data” and “Manufacturer specific Datas”

With the release of the tag firmware version 2.0.0, it is now possible to send ELA sensor and ID data through « Manufacturer Specific Data ». The Manufacturer Specific data are specific Bluetooth frame fields that are unique to a company, that can be used to add custom data into advertising packets. If Manufacturer Specific data are not enabled, all sensor data will be sent into the Bluetooth Services data.

To enable it, it is necessary to set to « True » the configuration field « *Mfr. Data Enable* » in the NFC configuration.



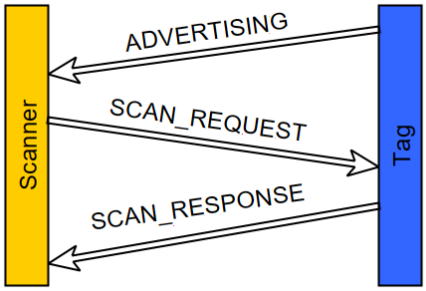

For a tag firmware below 2.0.0, the data advertised is always into Service datas.

## b. « Scan Response » frame

In some formats and versions, the tag can send a frame called « Scan Response frame ».

Once an advertising packet has been received by a scanner, further information can be requested. Then the tag responds with the “scan response” frame.

This frame is located right after the advertising frame, and contains different data depending on the version and format.
The data sent in “Scan response” frame is also formatted either in Service mode or in Manufacturer Specific mode.



# 4. Release note

### 1.0.0 Version

- When the battery drops below 15% capacity, the *Battery Service* is sent in the "Scan Response" frame for all formats.
- Nordic UART Service (NUS) is no longer sent in the Scan Response frame.

### 2.0.0 Version

- In iBeacon/Eddystone formats, the tag name is sent in the "SR" frame (after the battery info).
- The Company Identifier (CIN) number of ELA Innovation is 0x0757.
- In Manufacturer Specific Data mode, in ELA_ID and DIGI_OUT formats, it is possible to enter a hexadecimal number (max 0xFFFFFFFFFFFF) that will be sent in the frame. This field is called "ID Manufacturer Data" in the NFC configuration. This number is called "MFR_Num" in the frame formats of this document.

### 2.1.0 Version

- The names of the TOR IN and TOR OUT formats have been changed to Digi IN and Digi OUT respectively.

### 2.2.0 Version

- The Battery data is now sent in the Battery Level service feature (0x2A19).
- The MAC address type of the tag is changed from ***Random*** to ***Public***.

### 3.0.0 Version

- Ability to transmit the battery voltage in the Scan Response via an NFC parameter.

# 5. Battery information

## Battery capacity

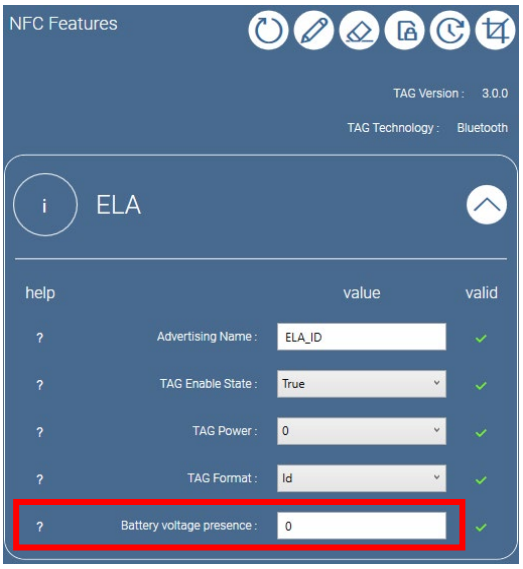
ELA Innovation's tags are based on the transmission of battery information in the Scan Response when the capacity of the battery falls below 15%. The formatting of the information is as follows:

| Frame type | | Service Data | Service Data | Mfr. Spec. Data |
|---|---|---|---|---|
| Version | | 1.0.0, 2.0.0, 2.1.x | ≥2.2.0 | ≥2.0.0 |
| Transmission | | Batt. capacity < 15% | Batt. capacity < 15% | Batt. capacity < 15% |
| **Frame bytes** | 1 | Length : 0x04 | Length: 0x04 | Length : 0x05 |
| | 2 | Type : 0x16 | Type : 0x16 | Type : 0xFF |
| | 3 | Battery Serv. LSB : 0x0F | Battery Serv. LSB : 0x19 | ELA_CIN_LSB : 0x57 |
| | 4 | Battery Serv. MSB : 0x18 | Battery Serv. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 5 | Batt. data (%) | Batt. data (%) | BATT_DATA_ID: 0xF1 |
| | 6 | Not used | Not used | Batt. data (%) |
| | 7 | Not used | Not used | Not used |

## Battery voltage

From version 3.0.0 onwards, it is possible to transmit battery voltage information for all formats. For this purpose, the "**Battery voltage presence**" option must be configured in the NFC memory.

**When the option is activated, the tag no longer transmits battery capacity information below 15%.**




Once the option is enabled, the battery voltage information is transmitted in the "Scan Response" frame with the following formatting:

| Frame type | | All |
|---|---|---|
| Version | | ≥3.0.0 |
| Transmission | | Battery voltage presence = 1 |
| **Frame Bytes** | 1 | Length : 0x06 |
| | 2 | Type : 0xFF |
| | 3 | ELA_CIN_LSB : 0x57 |
| | 4 | ELA_CIN_MSB: 0x07 |
| | 5 | BATT_DATA_ID: 0xF2 |
| | 6 | Batt. voltage (mV) LSB |
| | 7 | Batt. voltage (mV) MSB |

Frame examples:

| Received frame : ELA ID, Service Data, v3.0.0<br>Battery voltage presence = 0 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Battery cap.** | *13% (0x0D)* |

Raw data:

0x0201060B0942455F424154544552590416192A0D

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 11 | 0x09 | 0x42455F42415454455259 |
| 4 | 0x16 | 0x192A0D |

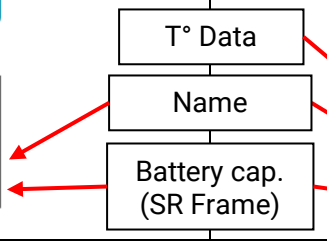
| Received frame : ELA T, MFR Spec. Data, v3.0.0<br>Battery voltage presence = 0 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Measured temp.** | *27.12°C (0x0A98)* |
| **Battery cap** | *13% (0x0D)* |

Raw data:

0x02010606FF570712980A0B0942455F4241545445525905FF5707F10D

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x570712980A |
| 11 | 0x09 | 0x42455F42415454455259 |
| 5 | 0xFF | 0x5707F10D |




In Eddystone and iBeacon formats, the battery information is located before the Tag Name :

| Received frame : iBeacon, v2.1.0 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Battery cap.** | *13% (0x0D)* |

Raw data:

0x0201061AFF4C000215010203040506070809 0A0B0C0D0E0F10020B010AC404160F180D0B0942455F42415454455259

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 26 | 0xFF | 0x4C000215010203040506070809 0A0B0C0D0E0F10020B010AC4 |
| 4 | 0x16 | 0x0F180D |
| 11 | 0x09 | 0x42455F42415454455259 |

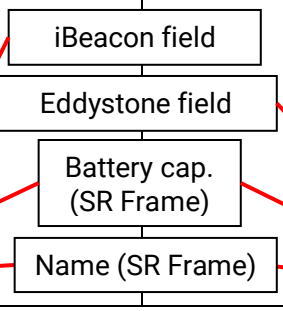
| Received frame : Eddystone, v3.0.0<br>Battery voltage presence = 0 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Battery cap.** | *13% (0x0D)* |

Raw data:

0x0201060303AAFE1716AAFE00ED0102030405060708090A010203040A0B000004 16192A0D0B0942455F42415454455259

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 3 | 0x03 | 0xAAFE |
| 23 | 0x16 | 0xAAFE00ED010203040506070809 0A010203040A0B0000 |
| 4 | 0x16 | 0x192A0D |
| 11 | 0x09 | 0x42455F42415454455259 |




| Received frame : iBeacon, v3.0.0<br>Battery voltage presence = 1 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Batt. voltage** | *2.478V (0x09AE)* |

Raw data:

0x0201061AFF4C000215010203040506070809 0A0B0C0D0E0F10020B010AC406FF5707F2AE090B0942455F424154544552 59

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 26 | 0xFF | 0x4C000215010203040506070809 0A0B0C0D0E0F10020B010AC4 |
| 6 | 0xFF | 0x5707F2AE09 |
| 11 | 0x09 | 0x42455F42415454455259 |

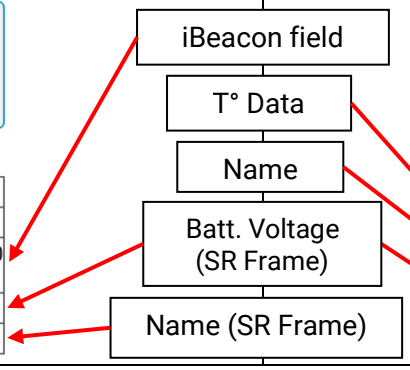
| Received frame : ELA T, Service Data, v3.0.0<br>Battery voltage presence = 1 | |
|---|---|
| **Name** | *BE_BATTERY* |
| **Measured temp** | *21.87°C (0x088B)* |
| **Batt. voltage** | *2.988 V (0x0BAC)* |

Raw data:

0x02010605166E2A8B080B0942455F4241545445525906FF5707F2AC0B

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x6E2A8B08 |
| 11 | 0x09 | 0x42455F42415454455259 |
| 6 | 0xFF | 0x5707F2AC0B |



# 6. Frame format

### General information of this document

To improve the readability of the screen formats, this document presents :

- The fixed Bluetooth fields highlighted in **blue**.
- The Variable Bluetooth fields highlighted in **orange**.
- User-defined fields highlighted in **green**.

The screenshots have been taken on the nRF Connect application, developed by Nordic Semiconductors.

The screenshots show examples of frame decoding of information sent in advertising by ELA Innovation's products. There is also sample software code developed by the ELA Innovation team that can be used to decode frame information.

These samples code are available at the following address:

https://github.com/elaInnovation

a. “ID” Format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | All | ≥2.0.0 |
| Frame Bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : ≤0x10 | Length : 0x0A |
| | 5 | Type : 0x09 | Type: 0xFF |
| | 6 | Name[0] | ELA_CIN_LSB : 0x57 |
| | 7 | Name[1] | ELA_CIN_MSB: 0x07 |
| | 8 | Name[2] | MFR_Num[0] |
| | 9 | Name[3] | MFR_Num[1] |
| | 10 | Name[4] | MFR_Num[2] |
| | 11 | Name[5] | MFR_Num[3] |
| | 12 | Name[6] | MFR_Num[4] |
| | 13 | Name[7] | MFR_Num[5] |
| | 14 | Name[8] | MFR_Num[6] |
| | 15 | Name[9] | Length : ≤0x10 |
| | 16 | Name 10] | Type : 0x09 |
| | 17 | Name[11] | Name[0] |
| | 18 | Name[12] | Name[1] |
| | 19 | Name[13] | Name[2] |
| | 20 | Name[14] | Name[3] |
| | 21 | Not used | Name[4] |
| | 22 | Not used | Name[5] |
| | 23 | Not used | Name[6] |
| | 24 | Not used | Name[7] |
| | 25 | Not used | Name[8] |
| | 26 | Not used | Name[9] |
| | 27 | Not used | Name[10] |
| | 28 | Not used | Name[11] |
| | 29 | Not used | Name[12] |
| | 30 | Not used | Name[13] |
| | 31 | Not used | Name[14] |

## Frame example

| ***Received frame : ELA ID, Service Data*** | | ***Received frame : ELA ID, MFR Spec. Data*** | |
|---|---|---|---|
| ***Name*** | *BE_TEST_K ID A9* | ***Name*** | *BE_TEST_ID* |
| | | ***MFR_Num*** | *0xAABBCCDDEEFF* |

Raw data:

0x020106100942455F544553545F4B204944204139

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 16 | 0x09 | 0x42455F544553545F4B204944204139 |

ID Mfr Data

Name

Raw data:

0x0201060AFF570706AABBCCDDEEFF0B0942455F544553545F4944

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 10 | 0xFF | 0x570706AABBCCDDEEFF |
| 11 | 0x09 | 0x42455F544553545F4944 |

## b. “iBeacon” Format

| Frame type | | Service & Mfr Spec. Data | Service & Mfr Spec. Data |
|---|---|---|---|
| Version | | 1.0.0, 2.0.0 | ≥2.1.0 |
| Frame Bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data: 0x04 | Data : 0x06 |
| | 4 | Length : 0x1A | Length : 0x1A |
| | 5 | Type : 0xFF | Type : 0xFF |
| | 6 | Apple CIN_LSB : 0x4C | Apple CIN_LSB : 0x4C |
| | 7 | Apple CIN_MSB : 0x00 | Apple CIN_MSB : 0x00 |
| | 8 | Beacon type : 0x02 | Beacon type : 0x02 |
| | 9 | Data size : 0x15 | Data size : 0x15 |
| | 10 | UUID[0] | UUID[0] |
| | 11 | UUID[1] | UUID[1] |
| | 12 | UUID[2] | UUID[2] |
| | 13 | UUID[3] | UUID[3] |
| | 14 | UUID[4] | UUID[4] |
| | 15 | UUID[5] | UUID[5] |
| | 16 | UUID[6] | UUID[6] |
| | 17 | UUID[7] | UUID[7] |
| | 18 | UUID[8] | UUID[8] |
| | 19 | UUID[9] | UUID[9] |
| | 20 | UUID[10] | UUID[10] |
| | 21 | UUID[11] | UUID[11] |
| | 22 | UUID[12] | UUID[12] |
| | 23 | UUID[13] | UUID[13] |
| | 24 | UUID[14] | UUID[14] |
| | 25 | UUID[15] | UUID[15] |
| | 26 | Major[0] | Major[0] |
| | 27 | Major[1] | Major[1] |
| | 28 | Minor[0] | Minor[0] |
| | 29 | Minor[1] | Minor[1] |
| | 30 | Power TX at 1m | Power TX at 1m |
| | 31 | Not used | Not used |

*For the iBeacon format, the Tag Name is transmitted into the Scan Response.*

| Frame type | | Scan Response |
|---|---|---|
| Version | | All |
| Frame Bytes | 1 | Length : ≤0x10 |
| | 2 | Type : 0x09 |
| | 3 | Name[0] |
| | 4 | Name[1] |
| | 5 | Name[2] |
| | 6 | Name[3] |
| | 7 | Name[4] |
| | 8 | Name[5] |
| | 9 | Name[6] |
| | 10 | Name[7] |
| | 11 | Name[8] |
| | 12 | Name[9] |
| | 13 | Name[10] |
| | 14 | Name[11] |
| | 15 | Name[12] |
| | 16 | Name[13] |
| | 17 | Name[14] |

### Frame example

| ***Received frame : iBeacon, V2.1.0*** | | | |
|---|---|---|---|
| ***Name*** | *P ID 002BEA* | | |
| ***UUID*** | *0xFF02030405FF0708090AA00C0D0E0F11* | | |
| ***Major*** | *0x5555* | ***Minor*** | *0xAAAA* |

Raw data:

0x0201061AFF4C000215FF02030405FF0
708090AA00C0D0E0F115555AAAAC40C0
9502049442030303242454 1

iBeacon field

Name (SR Frame)

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 26 | 0xFF | 0x4C000215FF02030405FF0708090 AA00C0D0E0F115555AAAAC4 |
| 12 | 0x09 | 0x5020494420303032424541 |

## c. “Eddystone” Format

| Frame type | | Service & Mfr Spec. Data |
|---|---|---|
| Version | | All |
| Frame Bytes | 1 | Length : 0x02 |
| | 2 | Type : 0x01 |
| | 3 | Data : 0x06 |
| | 4 | Length : 0x03 |
| | 5 | Type : 0x03 |
| | 6 | Eddystone_UUID_LSB : 0xAA |
| | 7 | Eddystone_UUID_MSB : 0xFE |
| | 8 | Length : 0x17 |
| | 9 | Type : 0x16 |
| | 10 | Eddystone_UUID_LSB : 0xAA |
| | 11 | Eddystone_UUID_MSB : 0xFE |
| | 12 | Frame type UUID : 0x00 |
| | 13 | Power TX à 0m |
| | 14 | NID[0] |
| | 15 | NID[1] |
| | 16 | NID[2] |
| | 17 | NID[3] |
| | 18 | NID[4] |
| | 19 | NID[5] |
| | 20 | NID[6] |
| | 21 | NID[7] |
| | 22 | NID[8] |
| | 23 | NID[9] |
| | 24 | BID[0] |
| | 25 | BID[1] |
| | 26 | BID[2] |
| | 27 | BID[3] |
| | 28 | BID[4] |
| | 29 | BID[5] |
| | 30 | Reserved |
| | 31 | Reserved |

*For the Eddystone format, the Tag Name is transmitted into the Scan Response.*

| Frame type | | Scan Response |
|---|---|---|
| Version | | All |
| Frame Bytes | 1 | Length : ≤0x10 |
| | 2 | Type : 0x09 |
| | 3 | Name[0] |
| | 4 | Name[1] |
| | 5 | Name[2] |
| | 6 | Name[3] |
| | 7 | Name[4] |
| | 8 | Name[5] |
| | 9 | Name[6] |
| | 10 | Name[7] |
| | 11 | Name[8] |
| | 12 | Name[9] |
| | 13 | Name[10] |
| | 14 | Name[11] |
| | 15 | Name[12] |
| | 16 | Name[13] |
| | 17 | Name[14] |

### Frame example

| ***Received frame : Eddystone, V3.0.0*** | |
|---|---|
| ***Name*** | *P ID 002BEA* |
| ***NID*** | *AA020FF40506070809FF* |
| ***BID*** | *01FA03BB05DD* |

Raw data:

```
0x0201060303AAFE1716AAFE00EDAA02
0FF40506070809FF01FA03BB05DD00000
C0950204944203030324245 41
```

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 3 | 0x03 | 0xAAFE |
| 23 | 0x16 | 0xAAFE00EDAA020FF40506070809 FF01FA03BB05DD0000 |
| 12 | 0x09 | 0x5020494420303032424541 |

Eddystone field

Name (SR Frame)

### d. “T”, “T EN”, “T Probe” format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥1.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data: 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x06 |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *Temperature* carac. LSB : 0x6E | ELA_CIN_LSB : 0x57 |
| | 7 | *Temperature* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | T° Data (0,01°C) LSB | TEMP_ID: 0x12 |
| | 9 | T° Data (0,01°C) MSB | T° Data (0,01°C) LSB |
| | 10 | Length : ≤0x10 | T° Data (0,01°C) MSB |
| | 11 | Type : 0x09 | Length : ≤0x10 |
| | 12 | Name[0] | Type : 0x09 |
| | 13 | Name[1] | Name[0] |
| | 14 | Name[2] | Name[1] |
| | 15 | Name[3] | Name[2] |
| | 16 | Name[4] | Name[3] |
| | 17 | Name[5] | Name[4] |
| | 18 | Name[6] | Name[5] |
| | 19 | Name[7] | Name[6] |
| | 20 | Name[8] | Name[7] |
| | 21 | Name[9] | Name[8] |
| | 22 | Name[10] | Name[9] |
| | 23 | Name[11] | Name[10] |
| | 24 | Name[12] | Name[11] |
| | 25 | Name[13] | Name[12] |
| | 26 | Name[14] | Name[13] |
| | 27 | Not used | Name[14] |
| | 28 | Not used | Not used |
| | 29 | Not used | Not used |
| | 30 | Not used | Not used |
| | 31 | Not used | Not used |

#### Frame example

| ***Received frame : ELA T, Service Data*** | | ***Received frame : ELA T, MFR Spec. Data*** | |
|---|---|---|---|
| ***Name*** | *P T 801803* | ***Name*** | *P T 801803* |
| ***Measured Temp.*** | *0x0A6C = 26.68°C* | ***Measured Temp.*** | *0x0A85 = 26.93°C* |

Raw data:

0x02010605166E2A6C0A0B09502054203
83031383033

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x6E2A6C0A |
| 11 | 0x09 | 0x50205420383031383033 |

T° Data

Name

Raw data:

0x02010606FF570712850A0B095020542
0383031383033

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x570712850A |
| 11 | 0x09 | 0x50205420383031383033 |

e. “RHT” format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥1.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x08 |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *Temperature* carac. LSB : 0x6E | ELA_CIN_LSB : 0x57 |
| | 7 | *Temperature* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | T° Data (0,01°C) LSB | RHT_DATA_ID: 0x21 |
| | 9 | T° Data (0,01°C) MSB | RH Data (%) |
| | 10 | Length : 0x04 | TEMP_DATA_ID: 0x12 |
| | 11 | Type : 0x16 | T° Data (0,01°C) LSB |
| | 12 | *Humidity* carac. LSB : 0x6F | T° Data (0,01°C) MSB |
| | 13 | *Humidity* carac. MSB : 0x2A | Length : ≤0x10 |
| | 14 | RH Data (%) | Type : 0x09 |
| | 15 | Length : ≤0x10 | Name[0] |
| | 16 | Type : 0x09 | Name[1] |
| | 17 | Name[0] | Name[2] |
| | 18 | Name[1] | Name[3] |
| | 19 | Name[2] | Name[4] |
| | 20 | Name[3] | Name[5] |
| | 21 | Name[4] | Name[6] |
| | 22 | Name[5] | Name[7] |
| | 23 | Name[6] | Name[8] |
| | 24 | Name[7] | Name[9] |
| | 25 | Name[8] | Name[10] |
| | 26 | Name[9] | Name[11] |
| | 27 | Name[10] | Name[12] |
| | 28 | Name[11] | Name[13] |
| | 29 | Name[12] | Name[14] |
| | 30 | Name[13] | Not used |
| | 31 | Name[14] | Not used |

## Frame example

| ***Received frame : ELA RHT, Service Data*** | | | | ***Received frame : ELA RHT, MFR Spec. Data*** | | | |
|---|---|---|---|---|---|---|---|
| ***Name*** | *P RHT 900459* | | | ***Name*** | *P RHT 900459* | | |
| ***Measured Temp*** | *26.98°C* | ***Measured RH*** | *47%* | ***Measured Temp*** | *27.44°C* | ***Measured RH*** | *48%* |

Raw data:

0x02010605166E2A8A0A04166F2A2F0D0
9502052485420393030343539

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x6E2A8A0A |
| 4 | 0x16 | 0x6F2A2F |
| 13 | 0x09 | 0x5020524854203930303435 39 |

T° Data

RH Data

RH & T° Data

Name

Raw data:

0x02010608FF5707213012B80A0D09502
05248542039303034353 9

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 8 | 0xFF | 0x5707213012B80A |
| 13 | 0x09 | 0x5020524854203930303435 39 |

## f. “MAG” format

| Frame type | | Service Data | Service Data | Mfr Spec. Data |
|---|---|---|---|---|
| Version | | 1.0.0 | ≥2.0.0 | ≥2.0.0 |
| Frame Bytes | 1 | Length: 0x02 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x05 | Length : 0x06 |
| | 5 | Type : 0x16 | Type : 0x16 | Type: 0xFF |
| | 6 | *Alert Level* carac. LSB : 0x06 | *Alert Level* carac. LSB : 0x06 | ELA_CIN_LSB : 0x57 |
| | 7 | *Alert Level* carac. MSB : 0x2A | *Alert Level* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | MAG Data (cnt + state) LSB | MAG Data (cnt + state) LSB | MAG_DATA_ID: 0x32 |
| | 9 | MAG Data (cnt + state) MSB | MAG Data (cnt + state) MSB | MAG Data (cnt + state) LSB |
| | 10 | Length : ≤0x10 | Length : 0x04 | MAG Data (cnt + state) MSB |
| | 11 | Type : 0x09 | Type : 0x16 | Length: ≤0x10 |
| | 12 | Name[0] | *Alert Status* carac. LSB : 0x3F | Type : 0x09 |
| | 13 | Name[1] | *Alert Status* carac. MSB: 0x2A | Name[0] |
| | 14 | Name[2] | Data : 0x00 | Name[1] |
| | 15 | Name[3] | Length : ≤0x10 | Name[2] |
| | 16 | Name[4] | Type : 0x09 | Name[3] |
| | 17 | Name[5] | Name[0] | Name[4] |
| | 18 | Name[6] | Name[1] | Name[5] |
| | 19 | Name[7] | Name[2] | Name[6] |
| | 20 | Name[8] | Name[3] | Name[7] |
| | 21 | Name[9] | Name[4] | Name[8] |
| | 22 | Name[10] | Name[5] | Name[9] |
| | 23 | Name[11] | Name[6] | Name[10] |
| | 24 | Name[12] | Name[7] | Name[11] |
| | 25 | Name[13] | Name[8] | Name[12] |
| | 26 | Name[14] | Name[9] | Name[13] |
| | 27 | Not used | Name[10] | Name[14] |
| | 28 | Not used | Name[11] | Not used |
| | 29 | Not used | Name[12] | Not used |
| | 30 | Not used | Name[13] | Not used |
| | 31 | Not used | Name[14] | Not used |

### Frame example

| ***Received frame : ELA MAG, V3.0.0, Service Data*** | | | | ***Received frame : ELA MAG, V3.0.0, MFR Spec. Data*** | | | |
|---|---|---|---|---|---|---|---|
| ***Name*** | *P MAG C0062E* | | | ***Name*** | *P MAG C0062E* | | |
| ***Event Counter*** | *4* | ***Magnet state*** | *present* | ***Event Counter*** | *5* | ***Magnet state*** | *absent* |

Raw data:

0x0201060516062A090004163F2A000D0
950204D414720433030363245

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x062A0900 |
| 4 | 0x16 | 0x3F2A00 |
| 13 | 0x09 | 0x50204D414720433030363245 |

MAG Data

ELA MAG ID

Name

Raw data:

0x02010606FF5707320A000D0950204D4
14720433030363245

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x5707320A00 |
| 13 | 0x09 | 0x50204D414720433030363245 |

## g. “MOV” format

| Frame type | | Service Data | Service Data | Mfr Spec. Data |
|---|---|---|---|---|
| Version | | 1.0.0 | ≥2.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x05 | Length : 0x06 |
| | 5 | Type : 0x16 | Type : 0x16 | Type: 0xFF |
| | 6 | *Alert Level* carac. LSB : 0x06 | *Alert Level* carac. LSB : 0x06 | ELA_CIN_LSB : 0x57 |
| | 7 | *Alert Level* carac. MSB : 0x2A | *Alert Level* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | MOV Data (cnt + state) LSB | MOV Data (cnt + state) LSB | MOV_DATA_ID: 0x42 |
| | 9 | MOV Data (cnt + state) MSB | MOV Data (cnt + state) MSB | MOV Data (cnt + state) LSB |
| | 10 | Length : ≤0x10 | Length : 0x04 | MOV Data (cnt + state) MSB |
| | 11 | Type : 0x09 | Type : 0x16 | Length : ≤0x10 |
| | 12 | Name[0] | *Alert Status* carac. LSB : 0x3F | Type : 0x09 |
| | 13 | Name[1] | *Alert Status* carac. MSB: 0x2A | Name[0] |
| | 14 | Name[2] | Data : 0x01 | Name[1] |
| | 15 | Name[3] | Length : ≤0x10 | Name[2] |
| | 16 | Name[4] | Type : 0x09 | Name[3] |
| | 17 | Name[5] | Name[0] | Name[4] |
| | 18 | Name[6] | Name[1] | Name[5] |
| | 19 | Name[7] | Name[2] | Name[6] |
| | 20 | Name[8] | Name[3] | Name[7] |
| | 21 | Name[9] | Name[4] | Name[8] |
| | 22 | Name[10] | Name[5] | Name[9] |
| | 23 | Name[11] | Name[6] | Name[10] |
| | 24 | Name[12] | Name[7] | Name[11] |
| | 25 | Name[13] | Name[8] | Name[12] |
| | 26 | Name[14] | Name[9] | Name[13] |
| | 27 | Not used | Name[10] | Name[14] |
| | 28 | Not used | Name[11] | Not used |
| | 29 | Not used | Name[12] | Not used |
| | 30 | Not used | Name[13] | Not used |
| | 31 | Not used | Name[14] | Not used |

### Frame example

| ***Received frame : ELA MOV, V3.0.0, Service Data*** | | | |
|---|---|---|---|
| ***Name*** | *P MOV B00557* | | |
| ***Event counter*** | ***3*** | ***Mvt state*** | *In progress* |

Raw data:

0x0201060516062A070004163F2A010D0
950204D4F5620423030353537

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x062A0700 |
| 4 | 0x16 | 0x3F2A01 |
| 13 | 0x09 | 0x50204D4F5620423030353537 |

MOV Data

ELA MOV ID

Name

| ***Received frame : ELA MOV, V3.0.0, MFR Spec. Data*** | | | |
|---|---|---|---|
| ***Name*** | *P MOV B00557* | | |
| ***Event counter*** | ***6*** | ***Mvt state*** | *No mvt* |

Raw data:

0x02010606FF5707420C000D0950204D4
F5620423030353537

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x5707420C00 |
| 13 | 0x09 | 0x50204D4F5620423030353537 |

## h. “ANG” format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥1.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x09 | Length : 0x0A |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *MAG 3D* carac. LSB : 0xA1 | ELA_CIN_LSB : 0x57 |
| | 7 | *MAG 3D* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | Accel. Data X axis (mg) LSB | ANG_DATA_ID: 0x56 |
| | 9 | Accel. Data X axis (mg) MSB | Accel. Data X axis (mg) LSB |
| | 10 | Accel. Data Y axis (mg) LSB | Accel. Data X axis (mg) MSB |
| | 11 | Accel. Data Y axis (mg) MSB | Accel. Data Y axis (mg) LSB |
| | 12 | Accel. Data Z axis (mg) LSB | Accel. Data Y axis (mg) MSB |
| | 13 | Accel. Data Z axis (mg) MSB | Accel. Data Z axis (mg) LSB |
| | 14 | Length : ≤0x10 | Accel. Data Z axis (mg) MSB |
| | 15 | Type : 0x09 | Length : ≤0x10 |
| | 16 | Name[0] | Type : 0x09 |
| | 17 | Name[1] | Name[0] |
| | 18 | Name[2] | Name[1] |
| | 19 | Name[3] | Name[2] |
| | 20 | Name[4] | Name[3] |
| | 21 | Name[5] | Name[4] |
| | 22 | Name[6] | Name[5] |
| | 23 | Name[7] | Name[6] |
| | 24 | Name[8] | Name[7] |
| | 25 | Name[9] | Name[8] |
| | 26 | Name[10] | Name[9] |
| | 27 | Name[11] | Name[10] |
| | 28 | Name[12] | Name[11] |
| | 29 | Name[13] | Name[12] |
| | 30 | Name[14] | Name[13] |
| | 31 | Not used | Name[14] |

### Frame example

| ***Received frame : ELA ANG, Service Data*** | | ***Received frame : ELA ANG, MFR Spec. Data*** | |
|---|---|---|---|
| ***Name*** | *P MOV B00557* | ***Name*** | *P MOV B00557* |
| ***Accel. X axis*** | *0xFFB9 = -71 mg* | ***Accel. X axis*** | *0xFFB8 = -72mg* |
| ***Accel. Y axis*** | *0x0007 = 7 mg* | ***Accel. Y axis*** | *0xFFEC = -20mg* |
| ***Accel. Z axis*** | *0x0484 = 1156 mg* | ***Accel. Z axis*** | *0xFCAC = -852 mg* |

Raw data:

0x0201060916A12AB9FF070084040D0950204D4F5620423030353537

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 9 | 0x16 | 0xA12AB9FF07008404 |
| 13 | 0x09 | 0x50204D4F5620423030353537 |

ANG Data

Name

Raw data:

0x0201060AFF570756B8FFECFFACFC0D0950204D4F5620423030353537

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 10 | 0xFF | 0x570756B8FFECFFACFC |
| 13 | 0x09 | 0x50204D4F5620423030353537 |

### i. “DIGI IN” format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥2.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x06 |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *Alert Level* carac. LSB : 0x06 | ELA_CIN_LSB : 0x57 |
| | 7 | *Alert Level* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | DI Data (cnt + state) LSB | DIGI_IN_DATA_ID: 0x62 |
| | 9 | DI Data (cnt + state) MSB | DI Data (cnt + state) LSB |
| | 10 | Length : 0x04 | DI Data (cnt + state) MSB |
| | 11 | Type : 0x16 | Length : ≤0x10 |
| | 12 | *Alert Status* carac. LSB : 0x3F | Type : 0x09 |
| | 13 | *Alert Status* carac. MSB: 0x2A | Name[0] |
| | 14 | Data : 0x02 | Name[1] |
| | 15 | Length : ≤0x10 | Name[2] |
| | 16 | Type : 0x09 | Name[3] |
| | 17 | Name[0] | Name[4] |
| | 18 | Name[1] | Name[5] |
| | 19 | Name[2] | Name[6] |
| | 20 | Name[3] | Name[7] |
| | 21 | Name[4] | Name[8] |
| | 22 | Name[5] | Name[9] |
| | 23 | Name[6] | Name[10] |
| | 24 | Name[7] | Name[11] |
| | 25 | Name[8] | Name[12] |
| | 26 | Name[9] | Name[13] |
| | 27 | Name[10] | Name[14] |
| | 28 | Name[11] | Not used |
| | 29 | Name[12] | Not used |
| | 30 | Name[13] | Not used |
| | 31 | Name[14] | Not used |

#### Frame example

| ***Received frame : ELA DI, V3.0.0, Service Data*** | | | |
|---|---|---|---|
| ***Name*** | *BE_TEST_TORIN* | | |
| ***Evt. counter*** | *5* | ***Input state*** | *Released* |

Raw data:

0x0201060516062A0A0004163F2A020E0
942455F544553545F544F52494E

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x062A0A00 |
| 4 | 0x16 | 0x3F2A02 |
| 14 | 0x09 | 0x42455F544553545F544F52494E |

DIGI_IN Data

ELA DIGI_IN ID

Name

| ***Received frame : ELA DI, V3.0.0, MFR Spec. Data*** | | | |
|---|---|---|---|
| ***Name*** | *BE_TEST_TORIN* | | |
| ***Evt. counter*** | *5* | ***Input state*** | *Released* |

Raw data:

0x02010606FF5707620A000E0942455F5
44553545F544F52494E

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x5707620A00 |
| 14 | 0x09 | 0x42455F544553545F544F52494E |

## j. “Analog IN” format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥2.0.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x05 | Length : 0x06 |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *Analog Out* carac. LSB : 0x58 | ELA_CIN_LSB : 0x57 |
| | 7 | *Analog Out* carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | Analog. Data measure (mV) LSB | AN_IN_DATA_ID: 0x72 |
| | 9 | Analog. Data measure (mV) MSB | Analog. Data measure (mV) LSB |
| | 10 | Length : ≤0x10 | Analog. Data measure (mV) MSB |
| | 11 | Type : 0x09 | Length : ≤0x10 |
| | 12 | Name[0] | Type : 0x09 |
| | 13 | Name[1] | Name[0] |
| | 14 | Name[2] | Name[1] |
| | 15 | Name[3] | Name[2] |
| | 16 | Name[4] | Name[3] |
| | 17 | Name[5] | Name[4] |
| | 18 | Name[6] | Name[5] |
| | 19 | Name[7] | Name[6] |
| | 20 | Name[8] | Name[7] |
| | 21 | Name[9] | Name[8] |
| | 22 | Name[10] | Name[9] |
| | 23 | Name[11] | Name[10] |
| | 24 | Name[12] | Name[11] |
| | 25 | Name[13] | Name[12] |
| | 26 | Name[14] | Name[13] |
| | 27 | Not used | Name[14] |
| | 28 | Not used | Not used |
| | 29 | Not used | Not used |
| | 30 | Not used | Not used |
| | 31 | Not used | Not used |

### Frame example

| ***Received frame : ELA AI, Service Data*** | | ***Received frame : ELA AI, MFR Spec. Data*** | |
|---|---|---|---|
| ***Name*** | *P AI 00003F* | ***Name*** | *P AI 00003F* |
| ***Measured voltage*** | *1975mV* | ***Measured voltage*** | *1975mV* |

Raw data:

0x0201060516582AB7070C09502041492
0303030303346

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x582AB707 |
| 12 | 0x09 | 0x5020414920303030303346 |

AI Data

Name

Raw data:

0x02010606FF570772B7070C095020414
920303030303346

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 6 | 0xFF | 0x570772B707 |
| 12 | 0x09 | 0x5020414920303030303346 |

## k. “DIGI OUT” format

| Frame type | | Service Data | Service Data | Mfr Spec. Data |
|---|---|---|---|---|
| Version | | 2.0.0, 2.1.x | ≥2.2.0 | ≥2.0.0 |
| Frame bytes | 1 | Length : 0x02 | Length : 0x02 | Length : 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 | Data : 0x06 |
| | 4 | Length : 0x04 | Length : 0x04 | Length : 0x0A |
| | 5 | Type : 0x16 | Type : 0x16 | Type: 0xFF |
| | 6 | *Alert Status* carac. LSB : 0x3F | *Alert Status* carac. LSB : 0x3F | ELA_CIN_LSB : 0x57 |
| | 7 | *Alert Status* carac. MSB: 0x2A | *Alert Status* carac. MSB: 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | Data : 0x03 | Data : 0x00 | MFR_NUM_ID:0x86 |
| | 9 | Length : ≤0x10 | Length : ≤0x10 | MFR_Num[0] |
| | 10 | Type : 0x09 | Type : 0x09 | MFR_Num[1] |
| | 11 | Name[0] | Name[0] | MFR_Num[2] |
| | 12 | Name[1] | Name[1] | MFR_Num[3] |
| | 13 | Name[2] | Name[2] | MFR_Num[4] |
| | 14 | Name[3] | Name[3] | MFR_Num[5] |
| | 15 | Name[4] | Name[4] | Length : ≤0x10 |
| | 16 | Name[5] | Name[5] | Type : 0x09 |
| | 17 | Name[6] | Name[6] | Name[0] |
| | 18 | Name[7] | Name[7] | Name[1] |
| | 19 | Name[8] | Name[8] | Name[2] |
| | 20 | Name[9] | Name[9] | Name[3] |
| | 21 | Name[10] | Name[10] | Name[4] |
| | 22 | Name[11] | Name[11] | Name[5] |
| | 23 | Name[12] | Name[12] | Name[6] |
| | 24 | Name[13] | Name[13] | Name[7] |
| | 25 | Name[14] | Name[14] | Name[8] |
| | 26 | Not used | Not used | Name[9] |
| | 27 | Not used | Not used | Name[10] |
| | 28 | Not used | Not used | Name[11] |
| | 29 | Not used | Not used | Name[12] |
| | 30 | Not used | Not used | Name[13] |
| | 31 | Not used | Not used | Name[14] |

### Frame example

| ***Received frame : ELA DO, V3.0.0, Service Data*** | |
|---|---|
| ***Name*** | *P DO 000037* |

Raw data:

0x02010604163F2A000C095020444F20303030303337

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 4 | 0x16 | 0x3F2A00 |
| 12 | 0x09 | 0x5020444F20303030303337 |

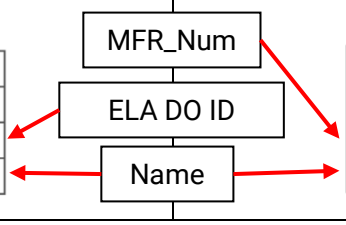
| ***Received frame : ELA DO, V3.0.0, MFR Spec. Data*** | |
|---|---|
| ***Name*** | *P DO 000037* |
| ***MFR_Num*** | *BABA102030FF* |

Raw data:

0x0201060AFF570786BABA102030FF0C095020444F20303030303337

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 10 | 0xFF | 0x570786BABA102030FF |
| 12 | 0x09 | 0x5020444F20303030303337 |



## I. "PIR" format

| Frame type | | Service Data | Mfr Spec. Data |
|---|---|---|---|
| Version | | ≥3.0.1 | ≥3.0.1 |
| Octets trame | 1 | Length: 0x02 | Length: 0x02 |
| | 2 | Type : 0x01 | Type : 0x01 |
| | 3 | Data : 0x06 | Data : 0x06 |
| | 4 | Length: 0x05 | Length: 0x06 |
| | 5 | Type : 0x16 | Type: 0xFF |
| | 6 | *Rainfall* Carac. LSB : 0x78 | ELA_CIN_LSB : 0x57 |
| | 7 | *Rainfall* Carac. MSB : 0x2A | ELA_CIN_MSB: 0x07 |
| | 8 | PIR Data (cnt + state) LSB | PIR_DATA_ID: 0x92 |
| | 9 | PIR Data (cnt + state) MSB | PIR Data (cnt + state) LSB |
| | 10 | Length: ≤0x0F | PIR Data (cnt + state) MSB |
| | 11 | Type : 0x09 | Length: ≤0x0F |
| | 12 | Name[0] | Type : 0x09 |
| | 13 | Name[1] | Name[0] |
| | 14 | Name[2] | Name[1] |
| | 15 | Name[3] | Name[2] |
| | 16 | Name[4] | Name[3] |
| | 17 | Name[5] | Name[4] |
| | 18 | Name[6] | Name[5] |
| | 19 | Name[7] | Name[6] |
| | 20 | Name[8] | Name[7] |
| | 21 | Name[9] | Name[8] |
| | 22 | Name[10] | Name[9] |
| | 23 | Name[11] | Name[10] |
| | 24 | Name[12] | Name[11] |
| | 25 | Name[13] | Name[12] |
| | 26 | Name[14] | Name[13] |
| | 27 | Not used | Name[14] |
| | 28 | Not used | Not used |
| | 29 | Not used | Not used |
| | 30 | Not used | Not used |
| | 31 | Not used | Not used |

### Frame example

| ***Received frame : ELA PIR, V3.0.1, Service Data*** | | | |
|---|---|---|---|
| ***Name*** | *ELA_PUCK_PIR_01* | | |
| ***Evt. counter*** | *13* | ***Mouvement state*** | *Detected* |

Raw data:

0x0201060516782A1B001009454C415F50554
34B5F5049525F3031

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 5 | 0x16 | 0x782A1B00 |
| 16 | 0x09 | 0x454C415F5055434B5F5049525F3031 |

| ***Received frame : ELA PIR, V3.0.1, MFR Spec. Data*** | | | |
|---|---|---|---|
| ***Name*** | *ELA_PUCK_PIR_01* | | |
| ***Evt. counter*** | *78* | ***Mouvement state*** | *Not detected* |

Raw data:

0x02010608FF5707929C0000001009454C415
F5055434B5F5049525F3031

Details:

| LEN. | TYPE | VALUE |
|---|---|---|
| 2 | 0x01 | 0x06 |
| 8 | 0xFF | 0x5707929C000000 |
| 16 | 0x09 | 0x454C415F5055434B5F5049525F3031 |

PIR Data

Name