**TP RTOS 1.**

**v1.0**

**SigFox downlink-frame specification.**

General SigFox downlink frame structure

|  |  |  |  |
| --- | --- | --- | --- |
| **CTRLREG** |  |  | **Reserved** |
| 2 byte | 2 bytes | 1 byte | 3 bytes |

CTRLREG bit-field definition

|  |  |  |
| --- | --- | --- |
| **CTRLREG** | | |
| **FTYPE** | **Reserved** | |
| 15-12 | 11-0 | |

|  |  |
| --- | --- |
| bit 15-12 | **FTYPE**: Input Frame Type  0101(5) = Set report time and turn off with one pulse any object. |
| bit 11-0 | Reserved for future use. |

**FTYPE = 0101(5) : Set report time and turn off with one pulse any object.**

|  |  |  |  |
| --- | --- | --- | --- |
| **CTRLREG** |  |  | **Reserved** |
| 2 byte | 2 bytes | 1 byte | 3 bytes |

CTRLREG bit-field definition

|  |  |  |
| --- | --- | --- |
| **CTRLREG** | | |
| **FTYPE** | **Reserved** | |
| 15-12 | 11-0 | |
| 0101 | Ignored | |

|  |  |  |
| --- | --- | --- |
|  | | |
|  | **Reserved** | |
| 7-0 | 0 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Symbol** | **Description** | **Units** | **Size** | **Range** |
|  | Report time | Seconds | 2 Bytes | 10-65535 |
|  | Turn off the object | Bytes | 1 Byte | 0-1 |

**Example :**

**RX= 50 00 00 3C 01 00 00 00**

**Description:**

50 00 **->>** 05

00 3C **->>** 60 Segundos

01 **->>** ON/OFF object

000000 **->>** Reserved