Command type (cmd) :

0x00 (00) : **Reset**
    this event message is sent on every reset/restart

0x10 (16) : **KeepAlive**
    this message is sent every **KeepAliveValue** (minutes) of inactivity
    with KeepAlive message, value of event counters (below threshold) are reported then
    cleared

0x20 (32) : **Async**
    this event message is sent if guardtime (in minutes) is elapsed since the last event
    (Reset, Async or Delayed). An event occure if any of the pioXEvent counter equal the
    pioXEvent Threshold.

0x30 (48) : **Delayed**
    this event message is sent when an event has been detected during the guardtime
    period, event counter's are incremented and message is delayed until guartime is
    elapsed.

Parameters :

Night/Day mode
    nightStartHours, **nightStartMinutes** :
        define the time when the device switch into Night mode
    dayStartHours, **dayStartMinutes** :
        define the time when the device switch into Day mode
    if **nightStartHours**, **nightStartMinutes == dayStartHours**, **dayStartMinutes,** the
    device is only in Day mode

GuardTime
    guardTimeDay :
        define the minimum delay in minute between two consecutive event
        messages in Day mode
    guardTimeNight :
        define the minimum delay in minute between two consecutive event
        messages in Night mode

KeepAlive
    Define the value in minutes the last message before sending a KeepAlive message

EventThreshold
    pioXEventThresholdDay, pioXEventThresholdNight :
        define the threshold value for every counter to generate an event message :
        if value = 0 counter disabled
        if value = 1 a message is generated on every event
        if value = n, a message is generated on every n events

Syntax	No. Of bits	Mnemonic
payload(){		
cmd	8	uint
if (cmd == 16 || cmd == 32 || cmd == 48){		
hours	8	uint
minutes	8	uint
pio0_present	1	bool
pio1_present	1	bool
pio2_present	1	bool
pio3_present	1	bool
intTemp_present	1	bool
extTemp_present	1	bool
vbat_present	1	bool
vext_present	1	bool
if (pio0_present)		
pio0Event	8	uint
if (pio1_present)		
pio1Event	8	uint
if (pio2_present)		
pio2Event	12	uint
if (pio3_present)		
pio3Event	12	uint
if (intTemp_present)		
intTemp	12	int
if (extTemp_present)		
extTemp	12	int
if (vbat_present)		
Vbat	12	int
if (vext_present)		
Vext	12	int
}		
else if (cmd = 00){		
config_exist	8	uint
hours	8	uint
minutes	8	uint
guardTimeDay	8	uint
guardTimeNight	8	uint
KeepAliveValue	8	uint
pio0EventThresholdDay	8	uint
pio0EventThresholdNight	8	uint
pio1EventThresholdDay	8	uint
pio1EventThresholdNight	8	uint
pio2EventThresholdDay	12	uint

pio2EventThresholdNight	12	uint
pio3EventThresholdDay	12	uint
pio3EventThresholdNight	12	uint
nightStartHours	8	bcd
nightStartMinutes	8	bcd
dayStartHours	8	bcd
dayStartMinutes	8	bcd
en_Register	8	uint

```
    }
}
```