PAYLOAD FORMAT FOR SENDING DOWNLINK IN TTN USING THE ENCODER

❖ **VALVE OPEN/CLOSE OPERATION - PORT 1**
```
payload_fields:{
        "payload":1
}
```

❖ **SELECTING THE CLASS, A OR C - PORT 9**
```
payload_fields:{
        "payload":0
}
```

❖ **RADIO CONFIGURATION SETTING – PORT 10**
```
payload_fields:{
        "ADR":1,
        "DR":0,
        "SF":12
}
```

❖ **UPLINK FREQUENCY SETTING – PORT 11**
```
payload_fields:{
        "unit1":1,
        "time1":3,
        "unit2":0,
        "time2":2
}
```

❖ **TIME SYNCHRONIZATION – PORT 12**
```
payload_fields:{
        "payload":1
}
```

❖ **CLOCK SYNCHRONIZATION REQUEST – PORT 13**
```
payload_fields:{
        " Sync_RTC":1
}
```

❖ **SCHEDULERS SETTING – PORT 14 TO PORT 20**

payload_fields:{

"schl1h_on":12,"schl1m_on":15,"schl1h_off":12,"schl1m_off":20,
"schl2h_on":255,"schl2m_on":255,"schl2h_off":255,"schl2m_off":255,
"schl3h_on":255,"schl3m_on":255,"schl3h_off":255,"schl3m_off":255,
"schl4h_on":255,"schl4m_on":255,"schl4h_off":255,"schl4m_off":255
}

NOTE: If you are setting only one scheduler per day then the remaining 3 schedulers should send a value "255" as mentioned in the above example.

❖ **SCHEDULERS INHIBITION SETTING – PORT 21**

payload_fields:{

"Schl_status":1
}

❖ **MAGNETIC CONTROL SETTING – PORT 22**

payload_fields:{

"payload":1
}