

### Sensor settings parameter's

Name	Unit	Comment
SplPer	Seconds	The main time base for the sensor. This is the interval for the sensor to wake up and sample data.
PirCfg	Integer	Configuration for the motion detector. <ul style="list-style-type: none"> <li>• Off (0)</li> <li>• Trigger, sensor sends package on motion (1)</li> <li>• Count, motions events between two transmissions (2)</li> <li>• Desk, logic off (3)</li> <li>• Eye, hot spot (4)</li> <li>• Pir, trigger once (5)</li> <li>• Eye, raw data (6)</li> </ul>
PirSens	Integer	<ul style="list-style-type: none"> <li>• Low, default (0)</li> <li>• Mid (1)</li> <li>• High, can false trigger in some environments (2)</li> </ul>
TempPer	Integer	Temperature and <b>Humidity</b> sample period. Value * Timebase= Sample time. Most of the time its easiest to use 1 as period and only change time base
PirPer	Integer	Value * Timebase= PIR sample time.
SendPer	Integer	Value * Timebase= Send time.
VddPer	Integer	Value * Timebase= Voltage sample time.
LightPer	Integer	Value * Timebase= Light sample time.
ExtPer	Integer	Value * Timebase= External sample time.
SoundPer	Integer	Value * Timebase= Sound sample time.
ExtCfg	Integer	<ul style="list-style-type: none"> <li>• Off(0)</li> <li>• Analog 0-10V(1)</li> <li>• Pulse Input, pull down (2)</li> <li>• Pulse Input, pull up (3)</li> <li>• Absolute pulse Input, pull down (4)</li> <li>• Absolute pulse Input, pull up (5)</li> <li>• 1-wire Temperature probe (6)</li> <li>• Switch, NO (7)</li> <li>• Reserved (8)</li> <li>• Digatal input (9)</li> <li>• Reserved (10)</li> <li>• Meter, Decagon (11)</li> <li>• Water leak cable (12)</li> <li>• Maxbotix (13)</li> <li>• Serial GPS (14)</li> <li>• Temperature+switch (15)</li> <li>• Analog input, 0-3V (16)</li> <li>• PT1000 (17)</li> <li>• Meter, ECH20 5TE (18)</li> <li>• Pulse count, no pull up/down (19)</li> <li>• Abs pulse count, no pull up/down (20)</li> </ul>

		<ul style="list-style-type: none"> <li>• Switch dual edge trigg (21)</li> <li>• Maxbotix MB736X (22)</li> <li>• 0-180 Ohm(23)</li> <li>• Elsys GPS module (24)</li> <li>• Load cell (25)</li> </ul>
ExtPwrTime	milliseconds	Startup time before sampling the external sensor. Power is enabled x mS before the sensor is sampled.
TriggTime	milliseconds	Minimum time between two trigger inputs.
AppEui	Hex	Application ID (8bytes or 16 hex digits)
AppKey	Hex	Application unique key (16bytes or 32hex digits)
Ota	Bool	Join mode, “over the air activation” or “personalization”. Value: true or false
Ack	Integer	Confirmed frame <ul style="list-style-type: none"> <li>• Off (0)</li> <li>• On(1)</li> </ul>
DevEui	Hex	Unique ID of the sensor (8bytes or 16 hex digits)
AppSKey	Hex	Application session key. Application unique session key(16bytes or 32hex digits) (this is only valid if not using OTA)
NwkSKey	Hex	Network session key. Network unique session key(16bytes or 32hex digits) (this is only valid if not using OTA)
DrDef	Integer	Default data rate for the sensor. DR0→DR...
DrMax	Integer	Maximum data rate for the sensor. DR0→DR...
DrMin	Integer	Minimum data rate for the sensor. DR0→DR (If datarate min, max, def is the same then server can't change sensor data rate)
Port	Integer	LoRa communication port
Co2Cfg	Integer	Calibrate CO2 sensor if parameter is 1. The sensor must be in fresh air (outside)
Lock	Integer	Locks or unlocks sensor settings. 0 = unlocked, anything else will lock the sensor until the same code is entered again
Plan	Integer	Active channel plan
Plans	Integer	Supported channel plans(read-only)
Subband	Integer	Channel plan subband (hybrid modes) 0 = 0-7, 1 = 8-15, ...
Qsize	Integer	Sample queue size 0-10
Qoffset	Integer	Include offset bytes (0,1)
Qpurge	Integer	Purge sent samples from queue (0,1)
Link	4byte Hex	Linkcheck [16bit Threshold][16bit Period]
AccCfg	4byte Hex	Accelerometer configuration. Configuration of accelerometer motion sensitivity. [15bit RFU][1bit send trigger][8bit threshold][8bit duration]
PerOvr	4byte Hex	Period override, special compressed bit field