

Description		
R-ORG	A5	4BS
FUNC	04	Temperature and Humidity Sensor
TYPE	04	Range -40 to +120degC 12bit measurement and 0% to 100%

Submitter:

Submitting EnOcean Alliance Member: ITEC Corporation
Membership Level: Participant

Contact Information

Contact Person: Mr. Tsutomu.Nonoyama
E-Mail Address: tasutomu.nonoyama@itec-corp.co.jp
Telephone Number: +81-263-54-2880

Date of Submission: 2018-03-20
Start of TWG Review: 2018-03-20
Date of Approval: 2018-03-20

EEP Version: 1.1
Last Change: 2019-01-03
Status: APPROVED

Change History :

Date	Version	Author	Description
2018-04-04	0.2	T. Nonoyama	Modified following feedback by EAC
2018-04-12	0.3	N. Metzner	Modified valid range of humidity and temperature
2018-04-17	0.4	T. Nonoyama	Modified following feedback by EAC
2018-05-16	1.0	N. Metzner	Modified IP abstraction following feedback from TWG review
2019-01-03	1.1	N. Metzner	Correction at line 3 (temperature): offset to read 12 (instead of 14)

ISSUE:
EEP:
EEP Version:
Date:

EEP Proposal
A5-04-04
1.1
2019-01-03

EEP Submission

R-ORG	A5	4BS Telegram
FUNC	04	Temperature and Humidity Sensor
TYPE	04	Range -40 to +120degC 12bit measurement and 0% to 100%

Description: **Range**
 -40 to +120degC 12bit-measurment
 and 0% to 100%

...
...
...

EEP Properties defined by the submitter:

(Optional data. Will only be documented within the EEP Specification for profiles using this template.)

Data exchange

Direction:	unidirectional
Addressing:	broadcast
Communication trigger:	event- & time-triggered
Communication interval:	2 seconds – 1 hour (one-time configuration)
Trigger event:	threshold/delta for observed value, heartbeat
Tx delay:	NA
Rx timeout:	NA

Teach-in

Teach-in method:	4BS teach-in 2
------------------	----------------

Security

Encryption supported:	no
Security level:	...

Telegram Definition:

Offset	Size	Bit-range	Data	Short-Cut	Description	Valid Range	Scale	Unit
0	8	DB3.7 - DB3.0	Humidity	HUM	Rel.Humidity	0 ... 199 200 ... 255	0 - 100 Reserv ed	%
8	4	DB2.7 - DB2.4	Not Used (=0)					
12	12	DB2.3 - DB1.0	Temperatu re	TMP	Temperature (Liner)	0 - 1599 1600 ... 4095	-40 - +120 Reserv ed	deg C
24	4	DB0.7 - DB0.4	Not Used (=0)					
28	1	DB0.3	LRN bit	LRNB	Learn Button	0: Teach in telegram 1: Data telegram		
29	3	DB0.2 - DB0.0	Not Used (=0)					

IP representation of Profile Definition:

Data (from Telegram)	IP KEY	Valid Range	Step size	Unit	IP Meaning
Rel. Humidity	Humidity	0 - 199	0.5	%	Relative Humidity 0...100[%]
Temperature	Temper ature	0 - 1599	0.1	degC	Temperature (linear) -40 ... +120[degC]

Appendix:

...
...
...