Submitter:

Submitting EnOcean Alliance Member: Echoflex Solutions Inc
Membership Level: Participant

<u>Contact Information</u>
Contact Person: Loren Parfitt
E-Mail Address: loren@echoflexsolutions.com
Telephone Number:

Date of Submission: 2018-05-23
Start of TWG Review: 2018-08-02
Date of Approval: 2018-09-27

EEP Version: 1.2
Last Change: 2018-07-11
Status: APPROVED

Change History :

Date	Version	Author	Description
2018-05-23	1.0	Loren Parfitt	Initial Document
2018-06-26	1.1	Loren Parfitt	Changed To Multi Function Sensor Profile
2018-07-11	1.2	Loren Parfitt	Fix to offset and size.

EEP Submission

R-ORG	D2	VLD Telegram
FUNC	14	Multi Function Sensors
TYPE	25	Light Intensity and Color Temperature Sensor

Description:

The EEP type D2-14-25 is for illumination intensity and light color temperature.

This proposal is for type 25 which will have a 0-100000Lux range for light intensity (lux) and a 15 bit range for color temperature (K) (0-30,000 K).

EEP Properties:

Data exchange

Direction: unidirectional

Timeouts: na

Teach-in

Teach-in method: Universal teach-in (UTE)

Security

Encryption supported: no

Security level: na

Telegram Definition:

Type 0x25:

direction: From
addressing: Broadcast
triggers: Timed, On Change
timing description: Minimum Timing 10 seconds, Maximum Timing 1000 seconds.

Offset	Size	Data	Shortcut	Description	Valid Range	Scale	Unit	trigger
0	17	Illumination	ILL	Illumination (linear)	0…100,000	0…100,000	Lx	5% Change Of Last Value
				Status Of Sensor	Enum:			
					100,001 … 131,070 : Reserved			
					131,071 : Error			
17	15	Color Temperature	CCT15	Color Temperature	0…30,000	0…30,000	K	50K Change
				Status Of Sensor	Enum:			
					30,001 … 32,766 : Reserved			
					32,767 : Error			

Parameter Overview

The parameter overview table can be added to in the future to support different types with different parameters.

[Parameter Name]	
TYPE	25
ILL (17bits,0-100,000Lux)	X
CCT15 (15bits,0-30,000K)	X

New Parameters:

Name	ShortCut	Size	Description	Valid Range	Scale	Unit
Correlated Color Temperature	CCT15	15	Color Temperature (linear)	0…30,000	0…30,000	Kelvin
			Status of Sensor	Enum:		
				30,001 … 32,766 : Reserved		
				32,767 : Error		

Appendix:

…
…
…