

EnOcean Equipment Profiles

REVISION HISTORY

Ver.	Editor	Change	Date
2.6.8	NM	Last xml edition of the EEP-Specification	Dec 31, 2017

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System Specification



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A5-06: Light Sensor

RORG	A5	4BS Telegram
FUNC	06	Light Sensor
TYPE	04	Curtain Wall Brightness Sensor

Submitter: Echoflex Solutions

Description

This EEP is intended for use with wireless daylight sensors, who communicate exterior light levels back to a blind controller.

Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: time-triggered and upon lux sensor reading change of more than a few percent

Communication interval: A telegram is transmitted every 1 minute in "day mode" and every 1 hour in "night mode". If the measured light is below a certain threshold for several minutes the sensor goes to night mode.

Trigger event: Heartbeat, change of lux reading

Tx delay: -

Rx timeout: -

Teach-in

Teach-in method: 4BS teach-in 2

Security

Encryption supported: no

Security level format: -

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Temperature	TEMP	Ambient Temperature	0...255	-20...+60	°C
8	16	DB2.7...DB1.0	Illuminance	ILL	Illuminance (linear)	0...65535	0...65535	lx
24	4	DB0.7...DB0.4	Energy Storage	SV	Energy Storage	0...15	0...100	%
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum: 0: Teach-in telegram 1: Data telegram		
29	1	DB0.2	Not Used (= 0)					
30	1	DB0.1	Temperature Availability	TMPAV	Valid temperature data available on DB3	Enum: 0: Temperature data is unavailable 1: Temperature data is available		
31	1	DB0.0	Energy Storage Availability	ENAV	Valid energy storage data available on DB0	Enum: 0: Energy storage data is unavailable 1: Energy storage data is available		