

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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EnOcean Alliance Inc.
2400 Camino Ramon, Suite 375
San Ramon, CA 94583
USA
Graham Martin
Chairman & CEO EnOcean Alliance

A5-38: Central Command

RORG	A5	4BS Telegram
FUNC	38	Central Command
TYPE	09	Extended Lighting-Control

Submitter: PEHA / infratec

With this central command all lighting actors can be manipulated.

Remarks for data table:

REMARK 1:
Set the RGB level for corresponding lighting-control.
Devices without this feature ignore this command.

REMARK 2:
Up to 16 different scenes can be selected and configured.

REMARK 3:
Change the minimal and maximal dimmer-value. Example:

Standard dimmer-range.



Example 1: Override for fire alarm.



Example 2: Corridor lighting at night.



General for switchers:

The values 0 .. 127 are defined to "Off".
The values 128.. 255 are defined to "On".

REMARK 4:
Example: If the lamp was replaced, the operating hours are reset to 0.

REMARK 5:
This function blocks all other commands from the other taught-in transmitters. The transmitter, which has called this function, must delete the blocking state, before the other transmitters can use the device again.

REMARK 6:
For important central commands, it's not necessary to send directly the statefeedback, e.g. when many modules are activated simultaneously.
Note: Special functionality is in function "Status request (0)", the status is always sent.

REMARK 7:
Ramp time is the time needed to transition from minimum to maximum dimming levels.

System Specification

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	8	DB3.7...DB3.0	Parameter 1	P1	Function defined parameter value	Enum:		
						Func. 00: -- not used --		
						Func. 01: -- not used --		
						Func. 02: -- not used --		
						Func. 03: -- not used --		
						Func. 04: -- not used --		
						Func. 05: -- not used --		
						Func. 06: Dimm-Value (0 ... 255)		
						Func. 07: R - Red (0 .. 255)		
						Func. 08: -- not used --		
						Func. 09: Dimm-Value (0 ... 255)		
						Func. 10: Lamp operating hours (MSB 15..8)		
						Func. 11: -- not used --		
						Func. 12: Energy metering value (MSB 15..8)		
8	8	DB2.7...DB2.0	Parameter 2	P2	Function defined parameter value	Enum:		
						Func. 00: -- not used --		
						Func. 01: -- not used --		
						Func. 02: -- not used --		
						Func. 03: Ramping time (MSB 15...8) (65535 s)		
						Func. 04: Ramping time (MSB 15...8)		
						(65535 s)		
						Func. 05: -- not used --		
						Func. 06: Ramping time (MSB 15...8) (65535 s)		
						Func. 07: G - Green (0 ... 255)		
						Func. 08: -- not used --		
						Func. 09: Dimm-Value (0 ... 255)		
						Func. 10: Lamp operating hours (7...0 LSB)		
						Func. 11: -- not used --		
						Func. 12: Energy metering value (7..0 LSB)		

System Specification

16	8	DB1.7...DB1.0	Parameter 3	P3	Function defined parameter value	<p>Enum:</p> <p>Func. 00: -- not used --</p> <p>Func. 01: -- not used --</p> <p>Func. 02: -- not used --</p> <p>Func. 03: Ramping time (7...0 LSB) (65535 s)</p> <p>Func. 04: Ramping time (7...0 LSB) (65535 s)</p> <p>Func. 05: -- not used --</p> <p>Func. 06: Ramping time (7...0 LSB) (65535 s)</p> <p>Func. 07: B - Blue(0 ... 255)</p> <p>Func. 08: Bit7: 0 = Drive to scene-value Bit7: 1 = Stores actual value in the scene Bit3..0: Scene number 0 ... 15</p> <p>Func. 09: -- not used --</p> <p>Func. 10: -- not used --</p> <p>Func. 11: Blocks the local operations Enum: 0 = Unlock local operations 1 = Locking switch on commands 2 = Locking switch off commands 3 = Locking local operations</p> <p>Func. 12: Unit of energy metering value Enum: 0 = mW 1 = W 2 = kW 3 = MW 4 = Wh 5 = kWh 6 = MWh 7 = GWh 8 = mA 9 = 1/10 A 10 = mV 11 = 1/10 V 12 ... 15 Not used</p>
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System Specification

24	4	DB0.7...DB0.4	Function	FUNC		Enum:
						0: Do nothing, status request
						1: Switched off
						2: Switched on (Memory value)
						3: Dimming up with ramping time
						4: Dimming down with ramping time
						5: Dimming stops
						6: Set dimmer-value and ramping time
						7: Set RGB values (see remark 1)
						8: Scene function (see remark 2)
						9: Set minimal and maximal dimmer-value (see remark 3)
						10: Set the operating hours of the lamp (see remark 4)
						11: Locking local operations (see remark 5)
						12: Set a new value for the energy metering (overwrite the actual value with the selected unit)
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum:
						0: Teach-in telegram
29	1	DB0.2	Send status flag	SSF	see remark 6	1: Data telegram
						Enum:
30	1	DB0.1	Store final value	SFV		0: Send new status of device
						1: Send no status (e.g. Global central commands)
						Enum:
31	1	DB0.0	Service Mode Flag	SMF		0: No
						1: Yes
						Enum:
						0: Normal operation
						1: Service mode: The module disables all senders, except this sender, which has set the service mode. (For example for maintenance)