

EnOcean Equipment Profiles

REVISION HISTORY

| Ver. | Editor | Change | Date |
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System Specification



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A5-06: Light Sensor

| | | |
|-------------|----|-----------------------|
| RORG | A5 | 4BS Telegram |
| FUNC | 06 | Light Sensor |
| TYPE | 05 | Range 0lx to 10.200lx |

Submitter: ITEC

Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Communication interval: 20 seconds – 1 hour (one time configuration)

Trigger event: threshold/delta for observed value, heartbeat

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 | Supply voltage | SVC | Supply voltage (linear) | 0...255 | 0...5.1 | V |
| 8 | 8 | DB2.7...DB2.0 | Illumination | ILL2 | Illumination (linear) | 0...255 | 0...5100 | lx |
| 16 | 8 | DB1.7...DB1.0 | Illumination | ILL1 | Illumination (linear) | 0...255 | 0...10200 | lx |
| 24 | 4 | DB0.7...DB0.4 | Not Used (= 0) | | | | | |
| 28 | 1 | DB0.3 | LRN Bit | LRNB | LRN Bit | Enum: 0: Teach-in telegram 1: Data telegram | | |
| 29 | 2 | DB0.2...DB0.1 | Not Used (= 0) | | | | | |
| 31 | 1 | DB0.0 | Range select | RS | Range | Enum: 0: Range acc. to DB_1 (ILL1) 1: Range acc. to DB_2 (ILL2) | | |