

EnOcean Equipment Profiles

REVISION HISTORY

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System Specification



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A5-30: Digital Input

| | | |
|-------------|----|--|
| RORG | A5 | 4BS Telegram |
| FUNC | 30 | Digital Input |
| TYPE | 04 | 3 Digital Inputs, 1 Digital Input 8 Bits |

Submitter: Afriso / EnOcean

Description:

This profile is used for universal module with 1 analog input (= 8 bits resolution digital) and 3 digital inputs. The application meaning and exact data interpretation of the input channels depends on the end application and is not defined in this profile documentation.

Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Trigger event: values have changed

Teach-in method: 4BS teach-in 2

| Offset | Size | Bitrange | Data | ShortCut | Description | Valid Range | Scale | Unit |
|--------|------|---------------|---------------------|----------|--------------------------|---|---------|------|
| 0 | 16 | DB3.7...DB2.0 | Not Used (= 0) | | | | | |
| 16 | 8 | DB1.7...DB1.0 | Digital value-input | DV0 | Digital value 1 byte | 0...255 | 0...255 | N/A |
| 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 | 1 | DB0.2 | Digital Input 2 | DI2 | Measured digital Input 2 | Enum: 0: Low 1: High | | |
| 30 | 1 | DB0.1 | Digital Input 1 | DI1 | Measured digital Input 1 | Enum: 0: Low 1: High | | |
| 31 | 1 | DB0.0 | Digital Input 0 | DI0 | Measured digital Input 0 | Enum: 0: Low 1: High | | |