

D2 : VLD Telegram

D2 - 14 : Multi Function Sensors

Submitter: Echoflex Solutions

Description

Data exchange

Direction: unidirectional

Teach-in

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

Security

Encryption mandatory: No

EEP Family Table

Each TYPE has to support all telegrams and parameters marked in its column.

Command Overview	52
Sensor Reading	X
Parameter Overview	52
temperature	X
Illumination	X
Presence	X
Sound Value	X

RORG	D2	VLD Telegram
FUNC	14	Multi Function Sensors
TYPE	52	

CMD: Sensor Reading

Data exchange

Addressing: broadcast

Communication trigger: event_trigger

Event description: 5°C change in temperature, 5% change in illumination from previous transmission, change in presence state, or a 5% change in sound pressure.

Offset	Size	Data	Description	Valid Range	Scale	Unit	Trigger
0	9	temperature	Measurement of Temperature in linear	Enum: 0 ... 500 : 0 ... 50 511 : Error	C		X

9	17	Illumination	Illumination linear in 1 lx steps	Enum:	X
				0 ... 100000 : 0 ... 100000 lx	
				100001 ... Reserved	
				131070 :	
26	2	Presence	Presence Detector	131071 : Error	X
				Enum:	
				0 : Present	
				1 : Not present	
28	11	Sound Pressure	Sound Pressure	2 : Not detectable	X
				3 : Presence Detector error	
				Enum:	
				0 ... 2046 : 0 ... 204.6 dbSPL	
39	1	Not Used (= 0)		2047 : Error	