

➤ T01-03 : 2-wire 規格相關

1. data packet format

[1] Decoder to MCU

bit22	bit21	bit20	bit3	bit2	bit1	bit0
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[For OID1 or OID1+ or DPR1 mode]

Bit14 ~ bit0 : index info

Bit16 ~ Bit15 : OID1 or OID1+ or DPR1 mode

00 → OID1 mode

01 → OID1+ mode

10 → DPR1 mode

[For OID2/DPR2 mode]

Bit16 ~ Bit0 : index info

[For OID2/OID1/OID1+/DPR1 mode]

Bit17 : OID2 mode or OID1/OID1+/DPR1 mode

0 → OID2 mode

1 → OID1/OID1+/DPR1 mode

[For DPR2]

Bit17 : index info

[For all]

Bit18 : Reserved (or CheckSum info)

Bit19 : Reserved (or CheckSum info)

Bit20 : Battery status (1: battery high , 0:battery low)

Bit21 : Command/index (1: command, 0: index)

Bit22 : Reserved bit (1:OID2/OID1/OID1+/DPR1 , 0: DPR2)

[2] MCU to Decoder

(1) format – 1

bit7	Bit6	bit5	bit4	bit3	bit2	bit1	bit0
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(2) format – 2

bit47	bit46	bit45	bit44	bit2	bit1	bit0
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1's word: command type

2's word: parameter

3's word: parameter

2. index format of **OID1 or OID1+ or DPR1 mode**

OID1 or OID1+ mode

[1] total number of index is 4288

Index range	0~4095	4096~4287
Index type	object index	page index

[2] index format

	Bit 15~13	Bit 12	Bit 11~0
Object index		0	0~4095
Page index	xxx	1	(0~191)+2
Idle index	xxx	1	0
Isolation index	xxx	1	1

DPR1 mode

[1] total number of index is 4210

Index range	0~4095	4096~4209
Index type	object index	page index

[2] index format

	Bit 15~13	Bit 12	Bit 11~0
Object index	xxx	0	0~4095
Page index	xxx	1	(0~113)+2
Idle index	xxx	1	0
Isolation index	xxx	1	1