

Die Temperature: $LDTemp=(DATA11*256+DATA12)/100(^{\circ}C)$

For DeviceType 0 & 1 & 2

Output Power: $PowRead=(DATA7*256+DATA8)/10$ (mW)

For DeviceType 3

Output Power: $PowRead=DATA7*256+DATA8$ (mW)

Example:

Send command: EF EF 02 00 E0

Return command: ED FA 0E 00 03 E8 03 E7 00 00 03 E8 09 C4 09 C5 50

For DeviceType 0 & 1

$CurRead=0x03*256+0xE8=1000$ (mA)

$LDTemp=(0x09*256+0xC4)/100=25.00(^{\circ}C)$ 。

For DeviceType 2 & 3

$CurRead=0x03*256+0xE7=999$ (mA)

$LDTemp=(0x09*256+0xC5)/100=25.01(^{\circ}C)$ 。

For DeviceType 0 & 1 & 2

Output Power: $PowRead=(0x03*256+0xE8)/10=100.0$ (mW)

For DeviceType 3

Output Power: $PowRead=0x03*256+0xE8 =1000$ (mW)

5. Check Target Power

Send command:

0xEF	0xEF	0x02	0x03	0xE3
------	------	------	------	------

Return command:

0xED	0xFA	0x04	0x03	HSB	LSB	SUM
------	------	------	------	-----	-----	-----

For DeviceType 0 & 1 & 2

$TargetPower=(HSB*256+LSB)/10$ (mW)

For DeviceType 3

$TargetPower=(HSB*256+LSB)$ (mW)

Example:

Send command: EF EF 02 03 E3

Return command: ED FA 04 03 03 E8 D9

For DeviceType 0 & 1 & 2

$TargetPower=(0x03*256+0xE8)/10=100.0$ (mW)

For DeviceType 3

$TargetPower=(0x03*256+0xE8)=1000$ (mW)

6. Set Target Power

Send command:

0xEF	0xEF	0x04	0x04	HSB	LSB	SUM
------	------	------	------	-----	-----	-----

For DeviceType 0 & 1 & 2

$HSB=(TargetPower*10)/256$; $LSB=(TargetPower*10)\%256$ 。

For DeviceType 3

$HSB=(TargetPower)/256$; $LSB=(TargetPower)\%256$

Return command:

0xED	0xFA	0x04	0x03	HSB	LSB	SUM
------	------	------	------	-----	-----	-----

For DeviceType 0 & 1 & 2

$TargetPower=(HSB*256+LSB)/10$ (mW)

For DeviceType 3

$TargetPower=(HSB*256+LSB)$ (mW)

Example:

Send command: EF EF 04 04 03 E8 D1

Return command: ED FA 04 03 03 E8 D9

For DeviceType 0 & 1 & 2

$TargetPower=(0x03*256+0xE8)/10=100.0$ (mW)

For DeviceType 3

$TargetPower=(0x03*256+0xE8)=1000$ (mW)

7. Check Software Activation (Optional)

Send command:

0xEF	0xEF	0x02	0x25	0x05
------	------	------	------	------

Return command:

0xED	0xFA	0x03	0x25	SoftActive	SUM
------	------	------	------	------------	-----

Example:

Send command: EF EF 02 25 05

Return command: ED FA 03 25 00 0F

SoftActive=0

Return command: ED FA 03 25 01 10

SoftActive=1

8. Set Software Activation (Optional)

Send command:

0xEF	0xEF	0x03	0x26	SoftActive	SUM
------	------	------	------	------------	-----

Return command:

0xED	0xFA	0x03	0x25	SoftActive	SUM
------	------	------	------	------------	-----

Example:

Send command: EF EF 03 26 00 07

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Email: info@simtrum.com

SIMTRUM Singapore
Telephone: +65 6996 0391
Email: info@simtrum.com

SIMTRUM

Return command: ED FA 03 25 00 0F
SoftActive=0

Send command: EF EF 03 26 01 08
Return command: ED FA 03 25 01 10
SoftActive=1

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Telephone: +86 133 2643 0008
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SIMTRUM Singapore
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SIMTRUM