

Item	MSB	LSB	Sum	CR
Item	“P” (50h): CntR (CO2 concentration)			
MSB	8 bit Data Msb			
LSB	8 bit Data Lsb			
Sum	Item+MSB+LSB=SUM			
CR	0Dh, End of the message			

0.0.2 Example

1.Relative Concentration of CO2 (CntR)

50 10 00 60 0D

Item 50hà “P” the item code of CntR

Data MSB 10h

LSB 00h

Relative Concentration of CO2 = 1000ppm

Sum CheckSum 50h+10h+00h=60H (Only Low Byte)

CR 0Dh à ‘Carriage Return’ means End of Message

2.Object Temperature (Tamb)

42 12 C3 17 0D

Item 42hà “B” the item code of Ambient temperature

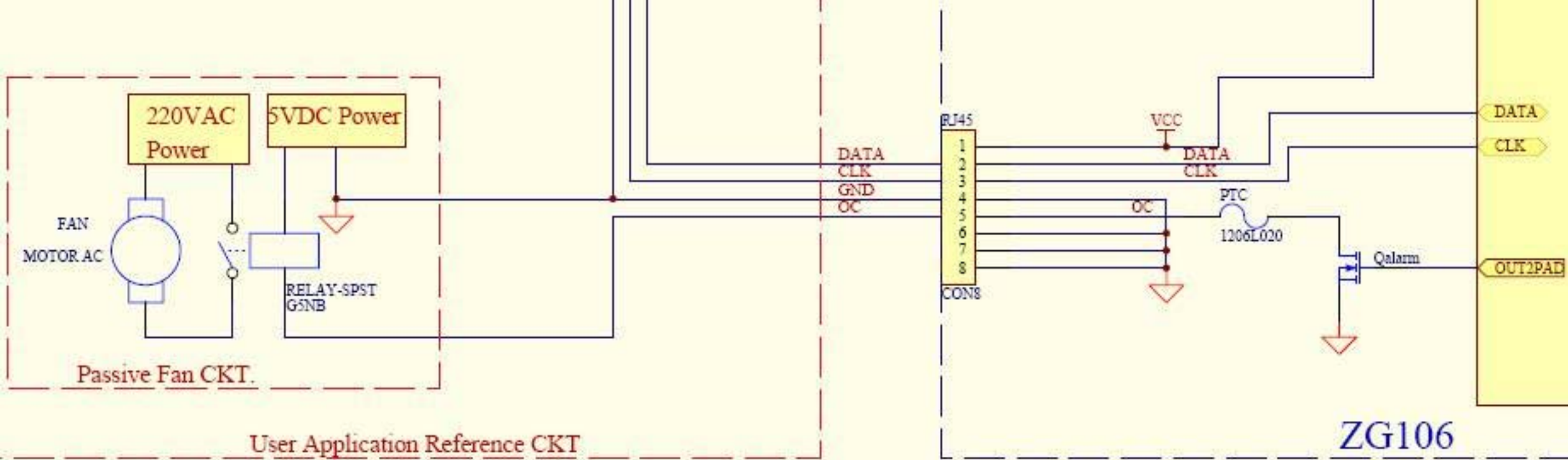
Data MSB 12h

LSB C3h

Real Temperature Value [Hex2Dec (12C3h)]/16-273.15= 27.03 ℃

Sum CheckSum 42h+12h+C3h=17h (Only Low Byte)

CR 0Dh à ‘Carriage Return’ meas End of Message



Illustrate:

1. $VCC = V_{battery}$ (Supply by Battery) when System is supply by Battery.
 $VCC = 5.5V \pm 5\%$ When AC adaptor insert in the DCJACK.
2. When $CO_2 > 1000ppm$ or setting alarm value, OC is GND (current is 200mA).
 When $CO_2 < 1000ppm$ or setting alarm value, OC is Float.
3. DATA, CLK is 3V, Prototype is SPIr according to ZG106 FW Spec.

VCC DATA CLK GND OC GND GND GND

