

## Re: Re: CAN Bus Details

Fany@kelly-controls.com

发给 pcommins

2015-10-20 15:18 隐藏信息

发件人: Fany@kelly-controls.com<Fany@kelly-controls.com>

收件人: pcommins<pcommins@uow.edu.au>

时间: 2015年10月20日 (周二) 15:18

大小: 882 KB

Hello,

The error codes are the LED type.

You can find the codes in the manual.

And the status of error code is Hex.You need to transfer it to binary.

2) Controller error status: (data[3] << 8) | data[4],

data[3]M	7	6	5	4	3	2	1	0	data[3]L
	0x44	0x43	0x42	0x41	0x34	0x33	0x32	0x31	
data[4]M	7	6	5	4	3	2	1	0	data[4]L
	0x24	0x23	0x22	0x21	0x14	0x13	0x12	0x11	

Page

### KHB/HP High Power Brushless Motor Controller User's Manual

if(data[3] << 8) | data[4]=0x4008,The corresponding error code is 0x43and 0x14.

As you know,Data[0]-[2] is for speed.they are correct.

As you can see,Hex08=1000 Binary.So the fourth position is 1.Let's find which error code is on fourth position.

3	2	1	0
0x14	0x13	0x12	0x11

It is Data[3]=the fourth position=14 code which means overtemp warning.

As the same goes,Hex40=1000000 Binary.We need to check the error code on seventh position.

7	6	5	4	3	2	1	0	data[3]L
0x44	0x43	0x42	0x41	0x34	0x33	0x32	0x31	

It is Data[6]=the seventh position which is 43 error code.43 is over temp error code.

Thanks,

Fany

3,3	0000 0000	Hall throttle is open or short-circuit	When the throttle is repaired, a restart will clear the fault.
3,4	0000 0000	Non-zero throttle on direction change	Controller won't allow a direction change unless the throttle or speed is at zero. Fault clears when throttle is released.
4,1	0000 0	Regen or Start-up over-voltage	Motor drive is disabled if an over-voltage is detected at start-up or during regen. The voltage threshold detection level is set during configuration.
4, 2	0000 00	Hall sensor error	1. Incorrect or loose wiring or a damaged hall sensor. 2. Also be caused by incorrect hall angle configuration (60 degree or 120 degree).
4, 3	0000 0000	Motor over-temperature	Motor temperature has exceeded the configured maximum. The controller will shut down until the motor temperature cools down.
4, 4	0000 0000	Motor locked rotor	When in locked rotor condition, the max output phase current of the motor will be limited to 90% of previous current. Once this problem disappears, the fault will clear and the max output phase current will return to

Fany Chen  
Marketing Manager  
[Fany@kelly-controls.com](mailto:Fany@kelly-controls.com)  
[www.kellycontroller.com](http://www.kellycontroller.com)  
+86 13956008360

From: Philip Commins  
Date: 2015-10-19 13:51  
To: [Fany@kelly-controls.com](mailto:Fany@kelly-controls.com)  
Subject: Re: CAN Bus Details

Hi Fany. Thanks. Are there details in the manual for these error codes?

Sent from my iPhone

On 19 Oct 2015, at 4:22 PM, "[Fany@kelly-controls.com](mailto:Fany@kelly-controls.com)" <[Fany@kelly-controls.com](mailto:Fany@kelly-controls.com)> wrote:

Hi,

data[3] MSB of Error code  
data[4] LSB of Error code

Thanks,