◆ Form of data bytes

The data consists of total 7 bytes including the check sum. UP Data 070810 Tomasleegj

BYTE0	BYTE1	BYTE2	BYTE3	BYTE4	BYTE5	BYTE6
ERROR CODE	HOME DATA	MOTOR STATUS	LEFT MOTOR POSITION	CENTER MOTOR POSITION	RIGHT MOTOR POSITION	CHECK SUM

** **CHECK SUM** = (BYTE0) **XOR** (BYTE1) **XOR** (BYTE2) **XOR** (BYTE3) **XOR** (BYTE4) **XOR** (BYTE5)

1. ERROR CODE DATA (BYTE0)

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
HC	H3	H2	H1	A3	A2	A1	T/E
1=HC ERROR	1=H3 ERROR	1=H2 ERROR 0=CLEAR	1=H1 ERROR	1=A3 ERROR 0=CLEAR	1=A2 ERROR	1=A1 ERROR 0=CLEAR	1=T/L ERROR

** T/E : TOTAL ERROR

** A1, A2, A3 : error of each axis

** HC : HIGH CURRENT Error

** H1, H2, H3 : HOME SWITCH ERROR

2. HOME DATA (BYTE1)

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
SPARE	3rd Side HOME	2nd Side HOME	1st Side HOME	SPARE	SPARE	SPARE	SPARE
	1=HOME	1=HOME	1= HOME				

3. MOTOR STATUS (BYTE2)

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
SPARE	SPARE	RIGHT MOTOR		CENTER MOTOR		LEFT MOTOR	
		DIRECTION	ON/OFF	DIRECTION	ON/OFF	DIRECTION	ON/OFF
		0=FORWARD 1=BACKWARD	1=ON,0=OFF	0=FORWARD 1=BACKWARD	1=ON,0=OFF	0=FORWARD 1=BACKWARD	1=ON,0=OFF

4.MOTOR POSITION DATA (BYTE3~5)

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
LEFT MOTOR POSITION DATA							

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
CENTER MOTOR POSITION DATA							

BIT7	BIT6	BIT5	BIT4	BIT3	BIT2	BIT1	BIT0
RIGHT MOTOR POSITION DATA							