

Tesla Open Source drive unit control board CAN standard

Speed : 500kbps

Little Endian

Message id 0x135 :

Byte 0 and Byte 1:

Drive unit DC current

Unsigned 16 bit integer

Byte 2 and Byte 3:

Drive unit DC Voltage

Unsigned 16 bit integer

Byte 4:

Drive unit 12V Voltage

Unsigned 8 bit integer

Byte 5 bit 0:

Overcurrent trip flag

0= no overcurrent

1= overcurrent event

Byte 6 and Byte 7:

Drive unit AC Current

Signed 16 bit integer

Message id 0x136 :

Byte 0:

Bits 0-3

Drive unit operation mode

0=Off

1=Run

2=Manual_run

3=Boost

4=Buck

5=Sine

6=2 Phase sine

Unsigned 4 bit nibble

Byte 1:

Bits 0-3

Drive unit gear

-1=REV

0=Neutral

1=FWD

Signed 4 bit nibble

Byte 2 and Byte 3:

Drive unit motor RPM

Unsigned 16 bit integer

Byte 6:

Drive inverter heatsink temperature

Unsigned 8 bit integer

Byte 7:

Drive inverter motor temperature

Unsigned 8 bit integer