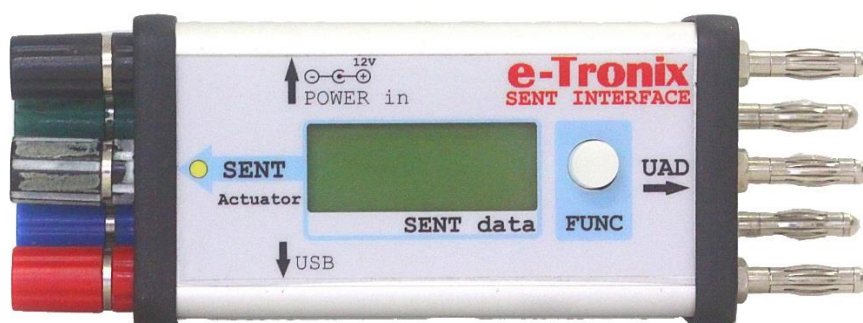


SENT II interface

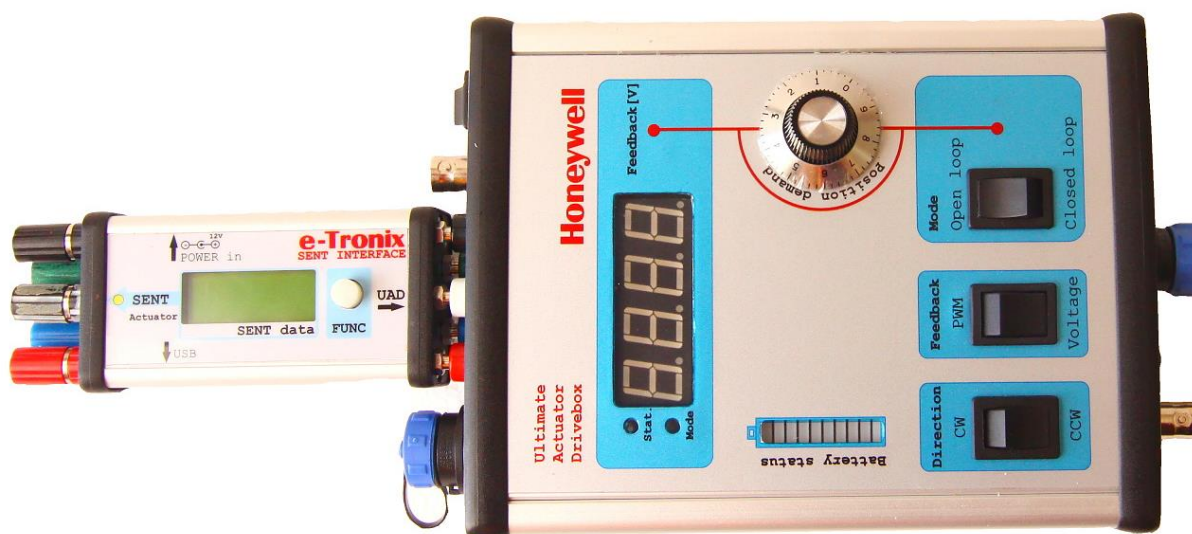
Accessories for Ultimate actuator drivebox

What is it?

It is Interface that allow Ultimate actuator driveboxes to work with SENT actuators. It is providing SENT2Voltage conversion between SENT actuator and the UAD. (used protocol SAE J2716)



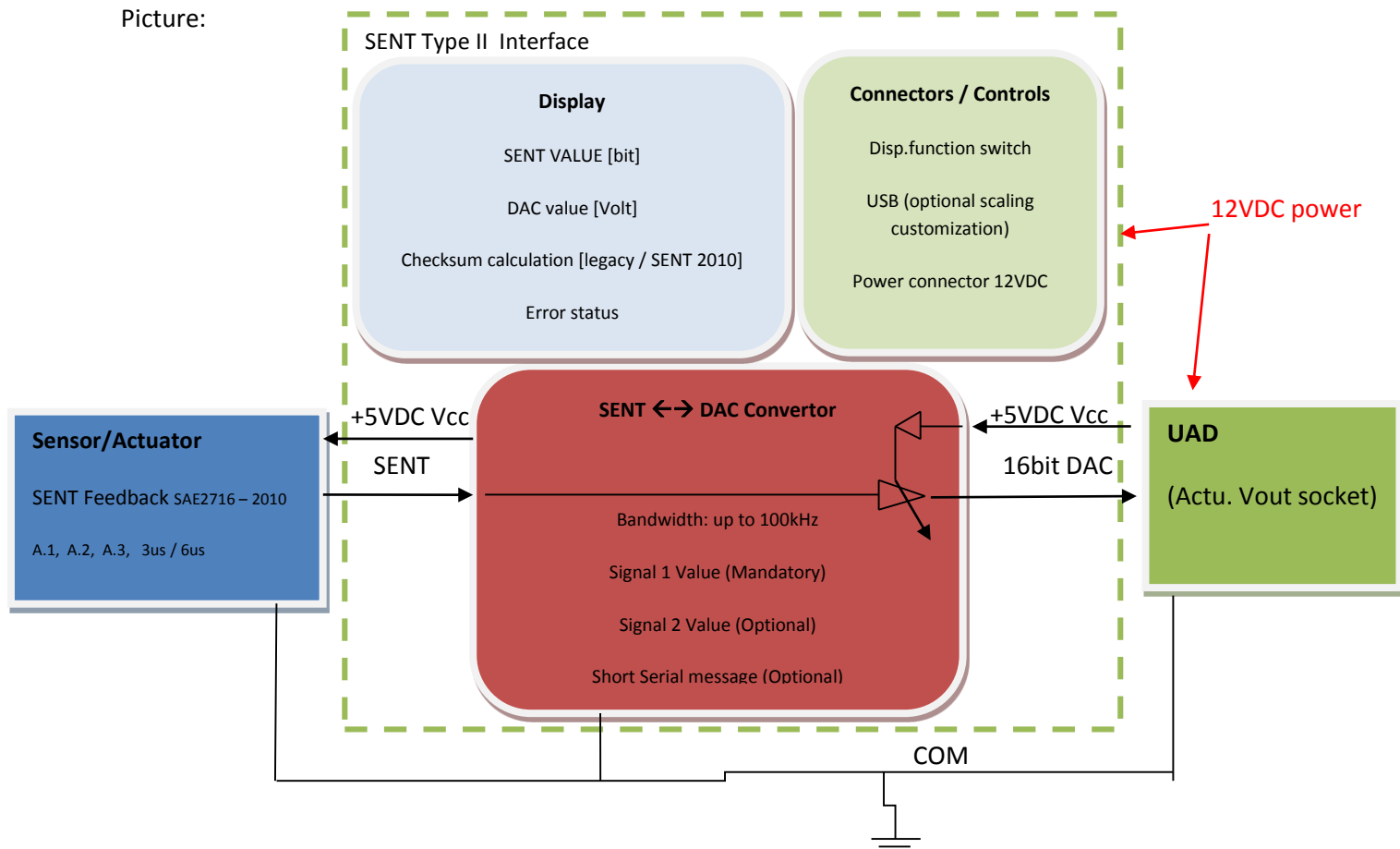
connected with Ultimate actuator drivebox:



How it works ?

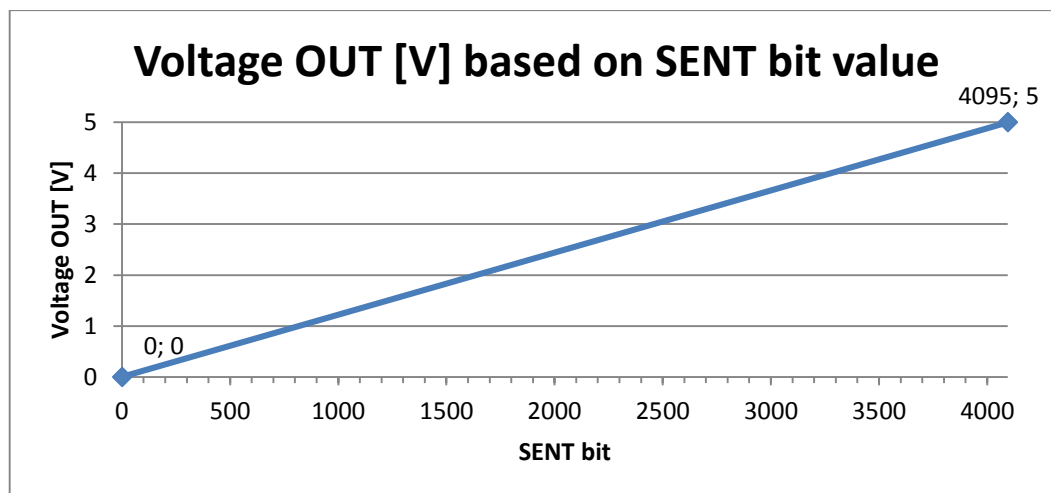
SENT Convertor function lay out on picture:

Picture:



Small display show signal1 value in SENT bits and voltage output and also basic SENT signal diagnostic functions.

Interface is delivered programmed with conversion Signal 1 BIT VALUE -> VOLTAGE (out) as at picture. Other conversion available upon request.



Warning:

The SENT interfaces do not allow implementation of robust protection for overvoltage and Electrostatic discharge. Handling shall be careful. Avoid mistakes in connections of actuator and respect basic ESD precaution.

Accessories:

Included is basic 12VDC power cable compatible only with UAD48W version with battery. If needed, a specific power cable may be prepared upon request.

Technical SENT data:

Compatible SENT interface details:

Referenced standard: SAE2716 SENT2010.

Signal1 used, 12bit = 3 data nibbles.

Signal2 used as option upon request.

3us / 6us SENT tick time

SENT Pause Pulse Option can be used.

Data modes expected: A.1, A.2 and A.3

SSP is optional upon request.

Case: aluminium + plastic front

Dimensions: 125 x 45 x 25 mm

Weight: 125 g

Conectors: mini USB, 12VDC, UAD banana socket, Actuator banana socket

Display: 33 x 12 mm (without backlight)

Compatible: UAD 48W, UAD30A

Quick start guide:

Using interface is very simple.

1. Plug SENT interface to the banana plugs on UAD instead of actuator.
2. Plug actuator to the banana plugs on SENT Interface
3. Plug +12V power connector to the SENT Interface. Power shall be the same source as for UAD
4. Set UAD for Voltage Feedback
5. Turn on the UAD
6. Function is apparent on the SENT Interface display , UAD actuator feedback display and UAD function.
7. Use Button to rotate display and monitor function