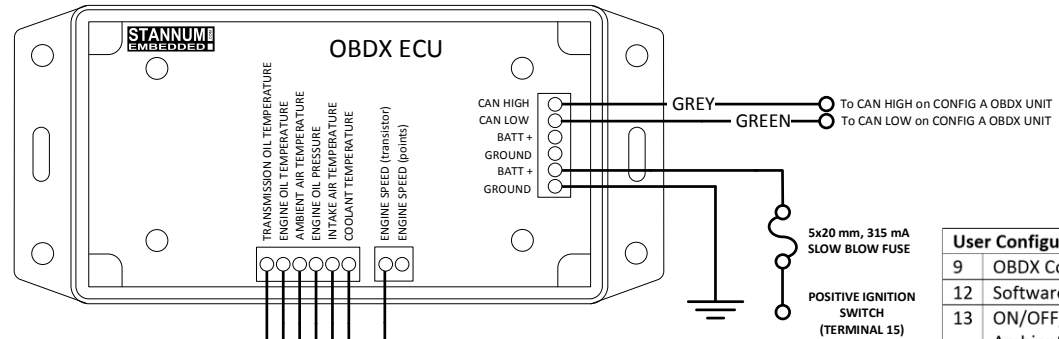
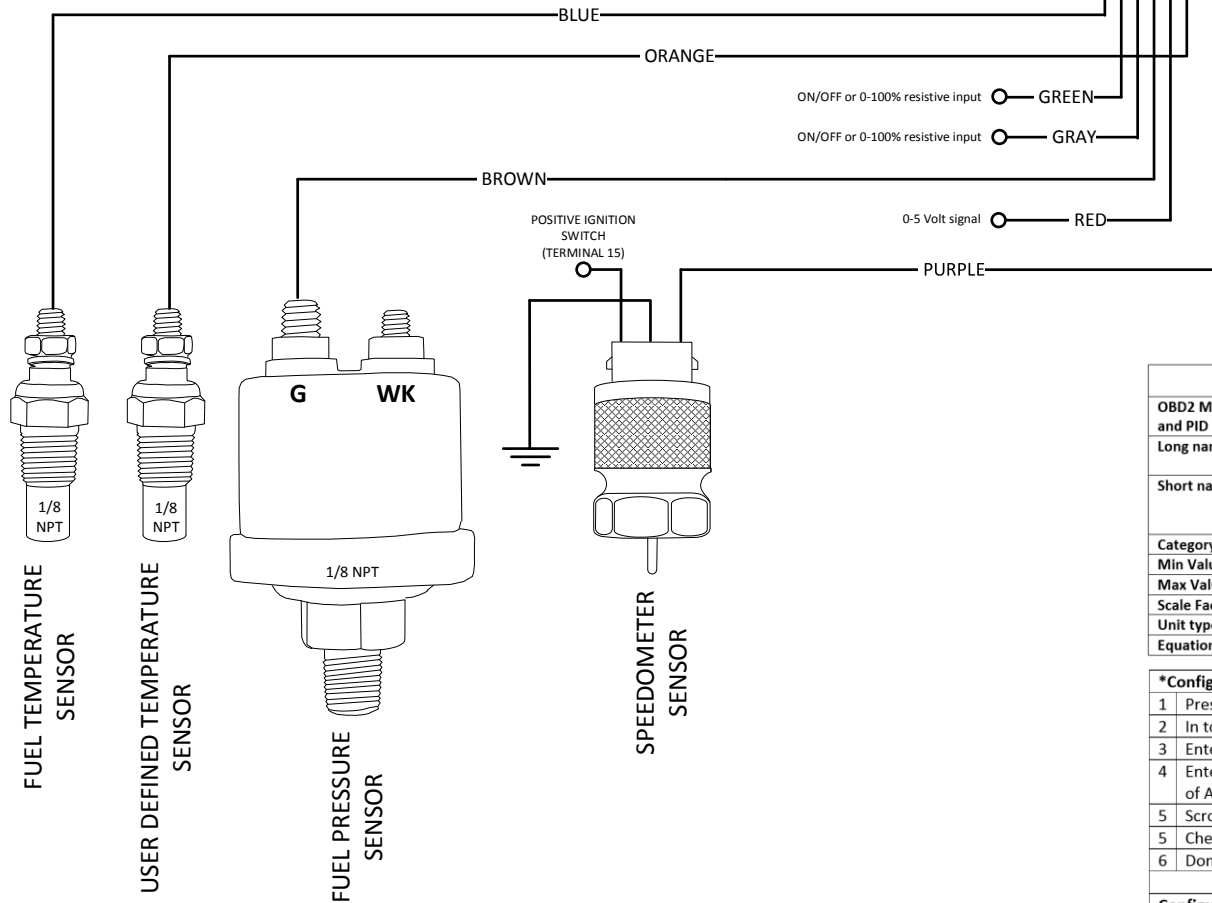


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**CONFIGURATION B**  
 (used in single OBDX installations)



User Configuration Info, PID 01AE	
9	OBDX Configuration
12	Software Version
13	ON/OFF/0-100% Function for Ambient Air Temp position
14	ON/OFF/0-100% Function for Engine Oil Temp position

OBD Fusion App (available for Android and Iphone)						
Name	Fuel Temp	SWITCH 1	SWITCH 2	User Temp	User Config Info	0-5 V input
<b>Description</b>	Fuel Temperature	ON/OFF or 0-100% input	ON/OFF or 0-100% input	User Defined Temperature	User Configuration Information	Voltage
<b>Category</b>	Engine	Engine	Engine	Engine	Engine	Engine
<b>Metric Units</b>	degC	-	-	degC	-	-
<b>Min Value</b>	0	0	0	0	0	0
<b>Max Value</b>	210	1 or 100	1 or 100	210	16777216	1023
<b>OBD Mode</b>	ALL	ALL	ALL	ALL	ALL	ALL
<b>PID Number</b>	AF	B0	B1	B2	AE	AC
<b>Priority</b>	Low	User defined	User defined	Low	Low	Medium
<b>Equation</b>	A-40	User defined	User defined	A-40	(A*65536)+(B*256)+C	User defined

OBD Torque App (available for Android)							
OBD2 Mode and PID	01AF	01B0	01B1	01B2	01AE	01AB	XXXXXX*
<b>Long name</b>	Fuel Temperature	SWITCH 1	SWITCH 2	User Defined Temperature	User Configuration Info	0-5 Volt input	User Configuration Request
<b>Short name</b>	Fuel Temp	ON/OFF or 0-100% input	ON/OFF or 0-100% input	User Temp	User Config Info	Lambda (for example)	User Config Req
<b>Category</b>	Engine	Engine	Engine	Engine	Engine	Engine	Engine
<b>Min Value</b>	0	0	0	0	0	0	0
<b>Max Value</b>	210	0 or 100	0 or 100	210	16777216	1024	65535
<b>Scale Factor</b>	X1	X1	X1	X1	X1	X1	X1
<b>Unit type</b>	degC	User Defined	User Defined	degC	-	-	-
<b>Equation</b>	A-40	User Defined	User Defined	A-40	(A*65536)+(B*256)+C	user defined	A

- \*Configuration via OBD Torque**
- 1 Press Gear Wheel symbol => Manage extra PIDs/Sensors
  - 2 In top right corner select "Add Custom Pid"
  - 3 Enter data according to last column in OBD Torque Table above
  - 4 Enter code according to CONFIGURATION CODES table instead of AAXXXX in "OBD Mode and PID"
  - 5 Scroll down and press "test"
  - 5 Check "User Config Info" PID for confirmation
  - 6 Done

- Configuration via OBD Fusion**
- 1 Go to SETTINGS => Advanced => Interface Initialization
  - 2 Insert Code according to CONFIGURATION CODES table
  - 3 Press OK
  - 4 Go back to main menu and press DISCONNECT than CONNECT
  - 5 Check "User Config Info" PID for confirmation
  - 6 Done

OBDX revision 2.1.1		
Parameter	Unit	Value
System Voltage	12.0	V
Maximum Voltage	20.0	V
Minimum Voltage	8.5	V
Current draw	250	mA

**CONFIGURATION CODES (only if Config B is selected)**

**Configuration 9: OBDX Configuration.** If 2 OBDX units shall be connected together, one of the OBDX unit shall be Config A and the other shall be Config B. In single OBDX installations Config A shall be used.

Code	Configuration
AA0900	Config A
AA0901	Config B

**Configuration 11: Speedometer Calibration Data.** To calibrate the speedometer, do the following:

1. Set configuration 11 to calibration mode (AA0AFFFF)
2. Run car at a speed of 100 km/h (check speed with the GPS based vehicle speed PID in the OBD app)
3. Record the number stated in configuration 11 of Config Data B (User defined PID 01AE)
4. Convert the number to hexadecimal representation. This can be done in a calculator in a PC for instance.
5. Set configuration 11 to the hexadecimal value (for example, a value of DCBA => AA0ADCBA)
6. Now the vehicle speed PID (standard PID) will show the vehicle speed in km/h (or in mph if preferred)

Recommended sensors are 12V hall effect sensors with 16 pulses per speedometer wire revolution. For example:

- GM and Mopar: Autometer model 5291 or Intellitronix S9013
- Ford: Autometer model PN 5292 or Intellitronix S9024

Code	Configuration
AA0A0000	Speedometer is not used
AA0AFFFF	Calibration Mode (the vehicle speed sensor pulse interval value is displayed in Config Data B: 11)
AA0AXXXX	Speedometer is activated when the vehicle speed sensor pulse interval @ 100 km/h (described in the row above) is entered (in hexadecimal representation) in place of XXXX

**Configuration 13: ON/OFF or 0-100% configuration (for terminal used for Ambient Air Temp in Config A)** The ambient air temperature input can be used as ON/OFF indication (for brake or clutch activation for example) or as 0-100% resistance measurement input.

Code	Configuration
AA0C00	ON/OFF
AA0C01	OFF/ON (this is an inverted version of the row above)
AA0C02	0-100% indication

**Configuration 14: ON/OFF or 0-100% configuration (for terminal used for Engine Oil Temp in Config A)** The engine oil temperature input can be used as ON/OFF indication (for brake or clutch activation for example) or as 0-100% resistance measurement input.

Code	Configuration
AA0D00	ON/OFF
AA0D01	OFF/ON (this is an inverted version of the row above)
AA0D02	0-100% indication