

Script.CAN.EV.ALEXANDER-DENNIS.ENVIRO400.POS5.SFD211AR\_PG.ACK\_ENBL.v1.0.1.1\_MG

Alexander-Dennis Enviro400 2024 CAN Script



**The compatibility if this script can only be guaranteed for:**

1. Alexander Dennis Enviro400 & Enviro100 2024 model
2. Vehicles with a VIN Number that starts with: **SFD211AR\_PG, SFD211AR\_RG**

This script can be used with the following devices:

1. MiX 4000
2. MiX 6000
3. FM3316 and FM3306 Communicators
4. FM3517i and FM3507i Communicators
5. FM3617i and FM3607i Communicators
6. FM3717i and FM3707i Communicators
7. FM3817i and FM3807i Communicators

## Version History

Reference	Version	Changes
SCR-2670	v1.0.0.0	<p>This script supports the standard system Parameters:                      Road speed, Trip net energy usage, Energy consumed, Energy generated, HVES voltage level, HVES current, Battery current charge power, Battery current discharge power, Charging status, State of charge, Traction power, Inside Temperature Upper Saloon, Inside Temperature Lower Saloon, High resolution odometer.</p> <p><b>The script should be compatible with vehicles with a VIN starting with: SFD211AR_PG, SFD211AR_RG</b></p> <p><i>*Script is also compatible with ADL E100</i></p>
SCR-2670	V1.0.1.1	<p>Removed Energy flow Parameter                      Enabled Odo sync                      Production version of script</p>

## Supported Parameters

ACRONYM	PARAMETER NAME	PARAMETER DESCRIPTION	Return values/states (if applicable)
CAN_V	System.Scratch40D	Road speed	
TNETE	System.FM.CAN.TNETE	EV CAN: Trip net energy usage	
BOKWH	System.FM.CAN.BOKWH	EV CAN: Energy consumed	
BIKWH	System.FM.CAN.BIKWH	EV CAN: Energy generated	
HVVOL	System.FMS.CAN.HVVOL	EV CAN: HVESV voltage level	
HVBCR	System.FM.CAN.HVBCR	HV Battery Current	
EBIEN	System.FM.CAN.EBIEN	EV CAN: Battery current charge power	
EBOEN	System.FM.CAN.EBOEN	EV CAN: Battery current discharge power	
EVICS	System.FM.CAN.EVICS	EV CAN: Charging status	-1 = Not available 0 = Not charging 1 = Charging
EBSOC	System.FM.CAN.EBSOC	EV CAN: State of charge	
TRAKW	System.FM.CAN.TRAKW	EV CAN: Traction Power	
INTUS	FMS.INTUS	FMS Inside Temperature Upper Saloon	
INTLS	FMS.INTLS	FMS Inside Temperature Lower Saloon	
HRESO	FMS.HRESO	FMS High resolution odometer	

## Installation Notes

1. **The script is NOT compatible with TRACERS**
2. The CAN jumpers must be in a position to ONLY allow **read** actions on the CAN bus (Passive Mode)
3. The script supports 11 bit CAN message identifier CAN headers.
4. The script only supports a CAN bus with a speed of 250 kbit/s CAN bus speed
5. Device Drivers: [BAS 1.70k - E15.08.27.xx](#) or later sets are supported

## Wiring and Installation Instructions

CAN bus location	5) Other
Wire colours & details	Standard pink telematics connector located in the cabinet at the top of the stairs
Can bus speed	CAN_250_kbps