

DCX LF Initiator

Description of the ECU Functionality

The purpose of the LF INITIATOR (LFI) is to trigger a wheel mounted pressure transmitter via LF to transmit an RF message to the Automobile Wireless Control Module (WCM). Each LFI will be located close to each mounted tire on the car.

The following list shows the most important features of the LFI.

- The communication protocol used between the LFI and the vehicle WCM will be LIN.
- Each LFI will act as a slave module.
- 125 kHz LF signal with a duty cycle of 0.25msec ON and 1.25msec OFF will be transmitted.
- 1 Watt Output signal power @ 13.5 Vbatt
- Battery voltage monitor
- Antenna Diagnostic Feedback
- Ferrite Antenna.