

LOW VOLTAGE MANAGEMENT

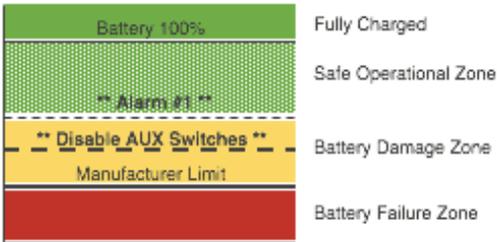
12v Commercial Fleet Vehicle Battery Monitoring & Alert

Fleet Gold® Data Sheet



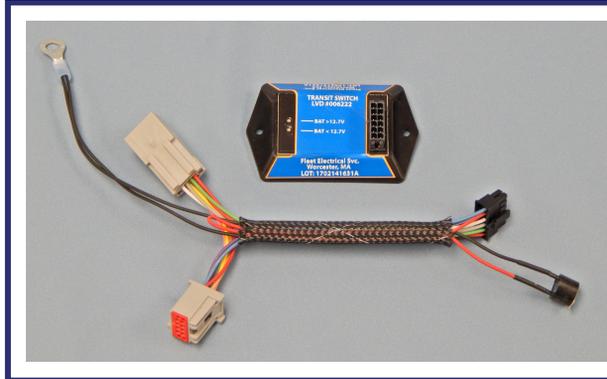
OVERVIEW & APPROACH

- **Alert:** Low voltage alarm alerts driver when “Safe Operational Zone” limit is reached.
- **Low Voltage Disconnect (LVD):** Battery protection on Aux Switches.
- **Install:** Choice of onsite with your fleet management service team, or with a certified Fleet Gold® partner.



ABOUT FLEET ELECTRIC

For over 50 years', Fleet Electric has provided mobile AC power to the cable, electrical, telecommunication, gas and municipal industries. Our Fleet Gold® kits are created to bring that expertise to you, either installing in-house or with a local partner.



FLEET GOLD® KIT # 006222

Ford Transit Low Voltage Battery Driver Alert and Phased Auxiliary Load Circuit Disconnection

Maximize driver uptime and improve fleet management efficiency with Low Voltage Management solutions (LVM). Active Battery Monitoring technology alerts the driver when the battery has reached the safe operational zone limit.

An alert of 15-seconds on, 15-seconds off repeats. This is the driver indication to turn on the vehicle to recharge the battery. Should the voltage drop into the battery damage zone, a phased approach will occur to disable auxiliary switches. The vehicle battery remains strong enough to assure restart, and preservation of battery dependent vehicle settings. As the vehicle restarts, and the voltage increases back into the safe operational zone, auxiliary switch access is restored, and the drive can continue his work in the field.

Fleet Electric has created a series of kits for leading inverter packages and vehicle manufacturers.

TECHNICAL OVERVIEW

Vehicle battery voltage must be above 12.0v for circuits to operate. Note, fully charged battery is rated at 12.6v or above.

System is programmed with load shedding feature.

- If all three switches are turned on and the engine is off once the vehicle battery voltage drop to 11.8v for 15 seconds Aux 3 circuit will turn off.
- At the point the vehicle battery voltage drops back to 11.8v for 15 seconds Aux 2 circuit will turn off.
- Aux 1 will turn off once the vehicle battery voltage drop back to 11.8v.

Any circuit can be reset by turning off the Aux switch and turning back on.

Low voltage alarm will sound if vehicle battery voltage is at 12.1v when turning any Aux switch on.

Low voltage alarm will sound at 11.9v to warn the operator that the load shedding circuit will be turning on shortly.

The system will automatically reset when the battery voltage is raised to 12.9 volts or above.

