



DGE Inc.

RAM Truck Upfitter Module

DGE Inc. designs OEM-Safe Aftermarket Gateway (OSAG) modules for vehicle upfitter and aftermarket applications. DGE works closely with OEM engineering to secure approved access to signals on the actual vehicle network. Connecting to the vehicle safely and securely satisfies the OEMs and enables the aftermarket supplier.

Our RAM Truck Upfitter Module (RTUM), part number 10805A, provides a cost-effective data communication link to the OEM data bus for added equipment or consumer electronics devices. The RTUM reads data from the vehicle network and outputs various signals to the aftermarket device.

Features and Benefits

- OEM-approved vehicle network access
- Gateway completely isolates the aftermarket device from OEM network, maintaining vehicle warranty
- Wakes on vehicle CAN message traffic
- Sleeps when inactive to reduce battery drain
- Designed against OEM specs (EMC, Environmental)
- Extensive vehicle integration testing

Digital outputs:

AC clutch status	Engine running status	Neutral status
Audio mute status	Hazard switch status	Park lamps status
Brake applied status	High beams status	Park brake status
Compressor on request status	Ignition run status	Park status
Door ajar status	Ignition start status	Reverse status
Door lock/unlock switch status	Low beam status	Turn signal status
Drive or low status	MIL status	

Variable frequency pulse outputs:

- Odometer
- Tachometer
- Vehicle Speed

Analog outputs:

- Oil Pressure



The numerous output signals mean the RTUM is suitable for a wide array of applications.

DGE can also develop *custom* OEM-safe gateways providing access to an array of control and indication signals, *including functions and data not available via standard OBD-II*. The base upfitter module hardware can drive standard automotive relays, LEDs, and analog outputs and supports various OEM network protocols and baud rates. The RTUM includes a harness with OEM connector for easy interfacing with the vehicle wiring system.

Please visit our website for ordering info: <http://www.dgeinc.com/inquiry.htm>



2870 Technology Dr.
 Rochester Hills, MI 48309
 Phone: 248.293.1300
 Fax: 248.293.1309
<http://www.dgeinc.com>