

Your Accident Defense

DD850 Driver Fatigue Monitor

• DD850 and Driver Fatigue

The DD850 is the only product on the market shown to be an accurate measure of drowsiness by the US Department of Transportation. Proper use of the DD850 will help prevent fall-asleep accidents.

• Important Warning!

The DD850 is not an alarm clock. The research is clear. Nothing can keep you awake for extended periods of time once driver fatigue sets in. Only actions by the driver can overcome driver fatigue. When fatigue sets in, you need to STOP—rest, take a nap, drink a cup of coffee, etc.



DRIVER FATIGUE

is the #1 SAFETY PROBLEM facing the trucking industry according to the National Transportation Safety Board.

- According to the Federal Motor Carrier Safety Administration, driver drowsiness is responsible for up to 1/3 of all truck driver deaths.
- 50% of people who survived driver fatigue crashes did not realize that they were falling asleep.
- Fatigued/drowsy drivers can drive with their eyes closed for up to thirty seconds.

Driver Fatigue Causes:

1,500
Annual
Deaths

65,000
Annual
Injuries

\$12
Billion in
Damages

• The Solution

The DD850 Driver Fatigue Monitor can reduce nighttime drowsy driving and avoid accidents

• How to use DD850

The DD850 is a small device that mounts on the dash just to the right of the steering wheel.

No tools are required. The DD850 can be installed in less than 5 minutes by the driver.

The DD850 is simple to use - just turn it on - point the camera at your face - select the sensitivity and drive.

The DD850 is affordable. Less than one dollar per day. The DD850 is portable and can easily be used in personal vehicles.

The DD850 can be used as a driver incentive to increase driver retention and driver recruitment.

• Proven Safe and Effective

The DD850 is the only device on the market that has been validated by the USDOT to provide an accurate measurement of fatigue.

The device uses a video camera to measure driver eye closures associated with driver fatigue.

The DD850 provides an audible and visual warning that can help the driver take steps to avoid fatigue.

• Nature of Driver Fatigue

Driver fatigue leads to drowsiness which leads to eye closures.

A driver can drive for 1-2 hours while drowsiness builds and eye closures increase.

A fatigued/drowsy driver's eyes can be closed from 33% to well over 50% of the time.

At 60 MPH a truck travels 120 yards during a 4-second eye closure!

• DD850 – An Early Warning for Fatigued Drivers

The driver becomes aware of drowsiness.

The driver can take steps to avoid further drowsiness without effecting productivity.

Over 60 minutes of drowsiness can be avoided.



For more information, visit our website at www.shiftwork.ca or CALL 604.272.0243.

WARNINGS

◉ Initial Warnings

A single beep — a full warning is imminent if eyes stay closed. The driver can reset DD850 by changing sensitivity.

◉ Full Warning

Continuous beep — a warning display—reads number of seconds the driver's eyes are closed.

◉ To Stop Warning Signal Sound

- Press any switch to silence sound
- Press any switch again to turn off visual display
- The device will timeout after 0 seconds
- If fatigue or drowsiness persists, stop and sleep.

◉ False Warnings

The DD850 can and does provide false warnings. These warnings are usually infrequent and provide a positive indication that the device is functioning. The false warnings are caused by the driver taking his/her eyes off the road to look at mirrors, construction, etc. for extended periods of time. If the particular driving situation requires longer than normal mirror checking, use the Low sensitivity function.

◉ When to Use DD850

The DD850 is a nighttime only system. It is designed for use on highways when traveling at speeds over 30 MPH.

TESTING THE DEVICE

◉ While the Vehicle is Parked

Park in a dark area since the device only works at night. When the vehicle is started, the device beeps and the standby light is lit. Adjust the camera toward the face and adjust the light intensity using the two switches on left. Set to high sensitivity; look out the windshield toward the road. Do not look directly at the device. Then, close eyes and the alarm will sound within 7-10 seconds.

◉ When Driving

At night when the vehicle has reached operational* speed, press the right button to select sensitivity. Medium mode is recommended. Look out the windshield toward the road. Cover the camera with your hand and the alarm will sound within 7-10 seconds.

For Highway trucks, operational speed is greater than 30 MPH (48 KPH). For mining, operational speed is the normal speed when entering or exiting the mining site.



DD850 Features

USING THE DD850

◉ DD850 Placement

Just to the right of the steering wheel at an arms length away from normal driving position.

◉ Controls and Displays

Switches (Dim, Bright, Select)

Operating Modes: Standby, High, Medium, and Low Sensitivity

◉ Mode Selection:

Standby: Use this mode during the day in city traffic at low speeds

High Sensitivity: Use at night - at highway speeds. To be used during periods of extreme fatigue, but need to travel further to the next place to safely pull over and rest.

Medium Sensitivity: Use at night - at highway speeds

Low Sensitivity: Use in normal situations

INSTALLATION

◉ Mounting

The DD850 should be mounted just to the right of the steering wheel approximately an arms length from the driver. The angle from the normal viewing direction should be between 10 and 30 degrees. The DD850 can be easily mounted to most dashboards using the supplied Velcro strips. Simply peel off the protective adhesive cover and attach the loop part of the Velcro to the dashboard and the hook to the bottom of the unit.

◉ Portable Mounting:

Mount Velcro on unit

Place unit on location

Note: Adhesive provides a permanent bond after setting for 24-72 hours

◉ Power Connection

Locate cigarette lighter

Plug into cigarette lighter socket

Note: If using cigarette lighter for other purposes, use a splitter

◉ HOW TO ORDER

There are several ways to order the **DD850**:

Order by Phone: 604.272.0243

Order by E-mail: patbyrne@shiftwork.ca

Order by Mail: Shiftwork Solutions
9771 Geal Road
Richmond, BC
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For more information, visit our website at www.shiftwork.ca or CALL 604.272.0243.