

# StopIdle



## Automatic Engine Shutoff and Restart

StopIdle is a system designed to shutoff a vehicle engine when the idling exceeds a preset limit and no operation is being performed. The module also continuously monitors the battery voltage and cabin temperature and restarts the engine if the voltage goes below a programmable value or the cabin temperature is outside of acceptable limits.

### Monitor

Battery Voltage (OEM & Auxiliary)  
Cabin Temperature  
Outside Temperature  
Idling  
Auxiliary Device usage  
Transmission Mode



### Shutoff

When Idling Time Exceeds Preset Limit  
Batteries are Charged  
Cabin Temperature is Normal  
Vehicle is in Park Mode  
No Critical Auxiliary Devices are Running



### Restart

When Battery Voltage Drops Below Threshold  
Cabin Temperature is not Normal

- **Why StopIdle?**
- Saves Fuel - 1/2 litre for every 10 minutes of Idling
- Reduces engine maintenance costs
- Protects the environment by reducing GHG emissions
- Prevents batteries from draining & extends their life
- Keeps cabin temperatures normal
- *All this without affecting operations or productivity*





# IDLING GETS YOU NOWHERE!

Shut off your engine. Save the environment.

Canada

### Typical ROI

Fleets using StopIdle typically have an ROI of less than 18 months.

### Idling Reduction

On average, StopIdle reduces idling by 25% across the fleet. Fleet vehicles typically idle for 20% - 60% of run time.

### Safety Features

The StopIdle will not restart a vehicle if the hood is open. The system also ensures that the car battery voltage does not go below the safety threshold. It will not shutdown a vehicle if the transmission is in drive mode.



Authorized Dealer:

### StopIdle Features

#### Programmable Features:

- Acceptable Idling Time: 15 sec or more
- Idling Exceptions
- Cabin Temperature Min and Max Threshold
- Outside Temperature Max Threshold
- Battery Voltage Threshold (OEM & Auxiliary)
- Battery Charge Time
- Idle RPM
- Ignition Delay, Duration and Interval

#### Available Inputs:

- 8 Digital inputs (programmable polarity)
- 2 High impedance analog inputs
- 1 Starter voltage monitoring input
- 2 Temperature sensor inputs
- 1 Ignition key bypass input
- 1 RPM input signal

#### Available Outputs:

- 4 Main outputs
- 2 Positive outputs
- 2 Negative outputs
- 1 PASS LOCK / PASS KEY circuit output
- 1 Headlamps control output
- 1 Brake signal output

#### Integrated Features:

- Entirely assembled in a rugged plastic enclosure
- Idling Data Storage
- USB Connectivity
- Wireless Connectivity (Optional)
- LED output for quick system status
- User friendly software