

# O-ZONE-TECH II™ USER MANUAL





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## 1. Overview

The O-Zone-Tech II™ idle reduction module together with the Webasto heater is an eco-friendly automotive fuel saving and CO2 reduction system.

During the warmer months the system will start the vehicle if inside and outside temperatures are higher than the pre set temperature. Colder months, it will start Webasto heater if outside temperature is below the pre set temperature. If during heater operation battery voltage drops below pre set value the module will start the vehicle (maximum two attempts) for 15 minutes by default setting (programmable parameters) and shut down the vehicle after that time has elapsed. The heater will run only when the vehicles engine is turned off.

## 2. Modes

### 2.1 Idle Reduction Mode

**To activate “Idle Reduction Mode” the:**

- Vehicle key must be in the RUN position
- Emergency lights must be turned OFF
- Vehicle transmission must be in the PARK position
- Vehicle hood must be closed

If the module detects engine RPM less than 900 for 5 minutes (programmable) it will shut down vehicle engine and it will provide power to accessories configured during installation (example: computer, radio, etc...). The LED on the Keyless Switch will flash during forced engine shut down. The module will restart the engine for 15 minutes (programmable) if the battery voltage drops below the pre set value.

When in this mode the module will monitor pre set temperatures and activate the Webasto heater or the vehicle A/C system to keep interior temperature at a comfortable level. This relies on the outside temperature to determine which climate device is activated.

#### **NOTE**

In order for the system to regulate temperature using the vehicles HVAC system, make sure to adjust the blower speed, preferred mode (vent, floor, etc...), and temperature setting prior to activating this mode.

**To stop “Idle Reduction Mode”:**

- shift the transmission from the PARK position
- open the hood
- turn the vehicle key to the START position

#### **NOTE**

If the emergency lights are turned on during mode operation, idle mode will pause. Idle mode will immediately restart when the emergency lights are turned off. If the outside temperature is below negative 14°F (10°C) the module will prevent engine shut down.

## 2.2 Keyless Mode

### To activate “Keyless Mode” the:

- Vehicle key must be removed from the ignition cylinder
- Emergency lights must be turned OFF
- Transmission must be in the PARK position
- Vehicle hood must be closed
- Keyless switch located on the dashboard must be pressed for 2 seconds

The LED on the Keyless Switch will be illuminated during Keyless Mode operation. When in this mode the module will monitor pre set temperatures and activate the Webasto heater or the vehicle A/C system to keep interior temperature at a comfortable level. This mode will also supply power to accessories configured during installation (example: computer, radio, etc...). The module will start the engine for battery charging if battery voltage drops below pre set value (default 15 minutes).

#### NOTE

In order for the system to regulate temperature using the vehicles HVAC system, make sure to adjust the blower speed, preferred mode (vent, floor, etc...), and temperature setting prior to activating this mode.

### To stop “Keyless Mode”:

- push the Keyless Switch for 2 seconds
- apply the brake pedal
- move the transmission from the PARK position
- open the hood
- turn the vehicle key to the START / RUN position
- turn the emergency lights on

## 2.3 Anti-Theft / Emergency Mode (Optional During Installation)

### To activate “Anti-theft Mode” the:

- Vehicle must be running
- Vehicle emergency lights must be turned ON
- Transmission must be in the PARK position
- Vehicle hood must be closed
- Vehicle key must be removed from the ignition cylinder to activate mode

The LED on the Keyless Switch will be illuminated during Anti-theft Mode operation. All systems are powered and engine is ON during this mode.

#### NOTE

Climate control is regulated by the vehicle and not the O-Zone-Tech II™ module in this mode. Make sure to adjust the blower speed, preferred mode (vent, floor, etc...), and temperature setting prior to activating this mode.

### To stop “Anti-Theft Mode”:

- Turn OFF the emergency lights
- apply the brake pedal
- open the hood
- turn the vehicle key to the START / RUN position

### **3. Battery Charging Functionality**

This system monitors battery voltage. Whenever battery voltage drops below a pre set value within the “Idle Reduction Mode” or the “Keyless Mode” it will start the vehicle a maximum two attempts. If the engine doesn’t start within 5 seconds, the module will try to restart the vehicle a second time. If the vehicle doesn’t start after the second attempt the module resets and waits for user input.

## 4. Limited Warranty

Webasto Product North America, Inc. (hereinafter referred to as Webasto) warrants the O-Zone-Tech-II™ system against defects in material and workmanship for two (2) years effective at the time of installation.

The intent of the Webasto Non-Transferrable warranty is to protect the original end-user from such defects and provide free repair and replacement of defective parts in the manner provided herein. During the warranty period the exclusive remedy will be for Webasto, at their discretion, to repair or replace those parts which are demonstrated to be defective in material or workmanship.

While warranty is provided to the “original end-user”, it is to be administered and serviced by Webasto Product personnel or through an authorized Webasto distributor in accordance with the Webasto warranty policy or contractual agreement between Webasto and a second party.

Information concerning all warranties may be obtained by calling (800) 860-7866.

### Limitations:

Webasto specifically excludes and limits warranty from the following:

- Damage to product in transit. All claims must be filed with carrier.
- Improper installation, which is not in accordance with valid, supplied installation instructions.
- Deterioration due to normal wear, corrosion, abuse, damage, accident, improper storage or operation.
- Modification of product by alteration, use of non-genuine parts or repair by unauthorized personnel.
- Economic loss for expenses related to travel, vehicle disability, personal injury or other incidental or consequential damages arising from any breach of this expressed warranty.

### Owner's Responsibilities:

- Improper or incorrectly performed maintenance or repair voids this warranty.
- A Warranty Registration Card is included with the sale of each system. It is the owner's responsibility to complete this card and return it to Webasto for registration.

### **THIS WARRANTY IS NON-TRANSFERABLE.**

IMPLIED WARRANTIES INCLUDING THAT OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WARRANTY. WEBASTO DISCLAIMS ANY LIABILITY FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THE LIMITATION AND EXCLUSIONS VARY AMONG STATES AND CANADIAN PROVINCES AND MAY NOT APPLY TO YOU. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY AMONG STATES AND CANADIAN PROVINCES.



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