

**ecosense**  
TRAILER ASSIST

## User guide

ETA-SC-M-2

ETA-SC-S-2

ETA-SC-MD-1

ETA-SC-MD-2

ETA-SC-MD-3

ETA-SC-SD-1

ETA-SC-SD-2

ETA-VO-M-1

ETA-VO-M-3

ETA-VO-S-1

## ECOSENSE TRAILER ASSIST

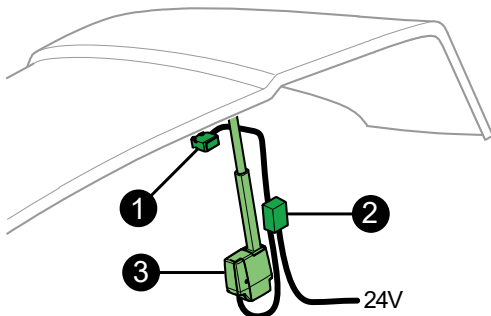
Ecosense Trailer Assist is the self-adjustable roof air deflector for your truck. It will automatically detect the height of the load carrier and adjust the deflector to the optimal position, ensuring minimal fuel consumption and CO<sub>2</sub> emissions. The system is fully automatic and requires no input from the driver. Ecosense Trailer Assist can help save up to 8 % in fuel costs by ensuring that even with frequent load carrier changes, the roof air deflector is always in an optimal configuration.

## HOW IT WORKS

When attaching a new load carrier or cargo to the vehicle, a sensor will read the height and gap to it. Built-in software then calculates the optimal position of the roof air deflector and subsequently adjusts its position. This procedure is done shortly after a cargo change has taken place. The system requires no action from the driver.

The roof air deflector will move to its lowest position when no load carrier or cargo is attached to the vehicle.

1. Sensor
2. Electronics unit
3. Actuator

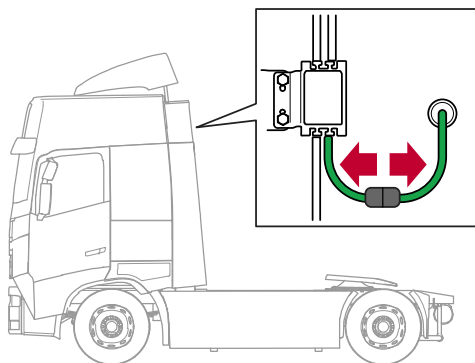


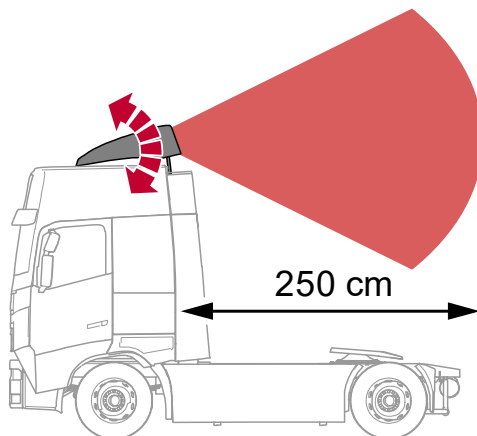
## TURN ECOSENSE TRAILER ASSIST ON/OFF

The equipment is powered when the truck's ignition is turned on. When turning the ignition off, the roof air deflector will stay in its set position.

The equipment can be disabled by disconnecting the power cable from the electronics unit.

The buttons on the sensor are not in use.



**DO NOT APPROACH THE SENSOR**

**Warning:** The Ecosense Trailer Assist equipment consists of several moving parts. If the system is active (ignition on and power cable connected), it can start moving at any time if the sensor detects an object within a range of 250 cm.



**Warning:** Do not approach the sensor when the equipment is on! Getting stuck in an active system may lead to serious injury!

If there is a need to be on the roof or in the vicinity of the roof air deflector, the truck's ignition must be turned off.

If there is a need for the ignition to be on, disconnect the power cable from the electronics unit when the ignition is off, and then turn the ignition on.

## VEHICLE HEIGHT

The system must be disabled during a load carrier change if both of the following criteria are met:

1. Max height of the space where the change is carried out is less than 4.50 m.
2. Difference in height between the space and the load carrier is less than 35 cm.

The system can be enabled again when the truck no longer is located within the tight space.

When the optimal roof air deflector position has been set, its maximum height will always be lower than the load carrier, unless the roof air deflector is in its lowest position.

## SWEEP SPACE FOR THE DEFLECTOR

The span covered by the full sweep of the roof air deflector must always remain free from cargo or other objects. Failure to adhere to this may result in damage to the Ecosense Trailer Assist system or the truck itself.

## DEBRIS ON THE ROOF AIR DEFLECTOR

Beware that any debris on the roof air deflector is likely to fall off when it is operated by the automatic system. Make sure to clear any potential hazards from the deflector before you start your trip.

## TROUBLESHOOTING



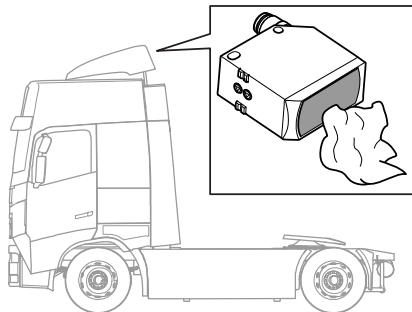
**Warning:** Do not approach the sensor when the equipment is on!

Note that it may take up to two minutes for the deflector to adjust after it has detected a load carrier.

If the air deflector does not adjust to the load carrier height, the following are the most probable potential causes.

### There is dirt on the sensor

1. Turn off the truck's ignition.
2. Clean the sensor with a cloth and mild detergent.



### If this doesn't help

- Check that all cables are connected and undamaged.
- Check the fuses.
- Contact your workshop.

## **MAINTENANCE**

There are warning stickers attached on the roof of the cab. Make sure to clean them occasionally so that they remain clearly visible.

During vehicle service, the Ecosense Trailer Assist components and cables should be inspected. Any damaged parts must be replaced to ensure that the system continues to work as expected.

## **READ MORE**

This manual and more information can also be found online:  
[support.ecosense.info](http://support.ecosense.info)

The printed manual is to remain with the truck, even in the event of new ownership.

## EC DECLARATION OF CONFORMITY

### Manufacturer

Company: Rumblestrip AB

Postal address: Stena Center 1 A-D, 412 92 Göteborg, SWEDEN

### Declares under our sole responsibility that machinery

Ecosense Trailer Assist

Models: ETA-VO-M-1, ETA-VO-M-3, ETA-VO-S-1, ETA-SC-M-2, ETA-SC-S-2, ETA-SC-MD-1, ETA-SC-MD-2, ETA-SC-MD-3, ETA-SC-SD-1, ETA-SC-SD-2

### complies with all applicable regulations of directive

- Machinery Directive 2006/42/EC
- Motor vehicle EMC Directive 2004/104/EC

This EC declaration of conformity is only valid for the machinery in its delivered state and does not include any components added or actions performed thereafter by the end user.

### Authorised to compile technical documentation

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