

# E2144

## FuelProtect compatible additional tank device

Marking: « FuelProtect slave v1.0 »

### Purpose

This device allows an additional tank to be protected on the FuelProtect alarm system.

Communicating wirelessly with the master control unit, no electrical connection is required except for its power supply.

A pairing between the master and slave control unit must be performed during installation (see "Pairing the device").

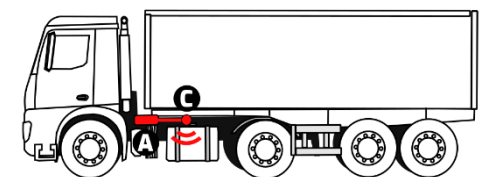
### Kit contents

- 1 FUELPROTECT slave unit
- 1 connection kit
- 1 ultrasonic perimeter sensor + bracket
- 1 warning sticker
- 1 installation manual

### Compatible sensors

FuelProtect uses a swivel-mounted ultrasonic sensor (supplied).

### Installation of components



The slave unit (A) will be positioned next to the master unit, powered by a **forward contact**.

Producing a conical beam, 16cm to 1.30m long and 30cm wide,

**The tank protection sensor(s) (C)** can be installed in different ways depending on the desired result.

[www.hyphentech.fr/eng](http://www.hyphentech.fr/eng)

### Perimeter protection near the tank

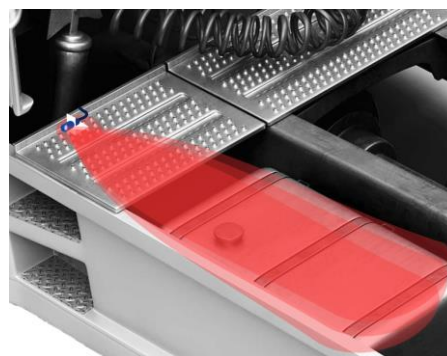


The sensor is positioned so that the beam extends beyond the vehicle's outline in order to prevent a break-in even before it occurs.

To achieve this, during installation, the height of the beam and its maximum range must be adjusted using the control unit's Test mode (see "Adjusting the perimeter beam").

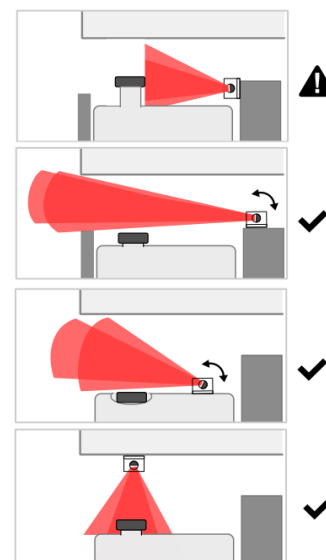


### Protection on contact with the tank



The sensor is positioned to protect the upper part of the tank.

To achieve this, during installation, the height of the beam must be adjusted using the control unit's Test mode (see "Adjusting the perimeter beam").



### Connecting the circuit board

**Input E2** determines the operating status of the control unit. A bridge must be made between M9 and M11.

Therefore, a disconnection of the brown connector leads to a change of mode:

**- Brown connector connected:**

Working system

**- Brown connector disconnected:**

System disabled, setup mode for sensor pairing with mobile application.

**The power supply (+VDC and GND)** will be on a front contact.

Example of **minimum wiring** when using the rotating motor muting:

V6	+VCC	+24V permanent
V5	GND	GND
M11	E2	Bridged M9



We recommend the addition of 1A fuses on the power supply (+VCC) of the box, as well as a "blank" assembly of the elements before any first installation.

### Device pairing

- The master unit must be powered.
  - Activate the power supply of the slave unit by placing it within 20cm of the master unit.
  - The pairing process is successful if the master and slave make 4 relay clicks each.
- The slave unit is then taken into account by the master unit.

### Note :

Only a device that has not yet been paired can be linked to a master unit.  
To release a slave unit, go to the section Unpairing devices.

### Unpairing devices

Ground input 3 (M12) of the master AND the slave. The unpairing process is successful if the master and slave make 4 relay clicks each. The respective memories of the devices are then released. The unpairing process will have to be performed again on all the slave devices of a master unit.

**Accessories**

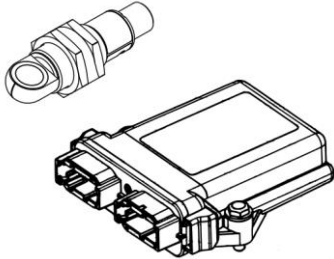
Additional tank protection kit	E2144
Wireless Motion Sensor (PIR)	E1032
Wireless PIR sensor holder	E7869
Remote control	E2091
Presence tag	E2027

**Technical specifications**

**Central FUELPROTECT slave**  
Power supply voltage 2100from 9V to 30VDC  
Operating temperature range 1800-40°C to +85°C  
Water resistance.....IP69K  
Dimensions.....119x133x35mm  
002 mounting holes Ø 7mm, centre distance 101mm

**Sensors**  
Range.....1.30m x ø 30cm  
Water resistance.....IP67

**Approvals**  
CE (Europe) : EN ECE R10 / EN 60947-5-2 / RoHS



**E2144**  
**FuelProtect compatible additional tank device**  
Marking: « FuelProtect slave v1.0 »  
notice v1