






# QUICK MANUAL PROFORT TANK PROTECTION SYSTEM

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## Guide to installation and set-up of the Profort Tank Protection System

### WHAT DOES THE TANK PROTECTION SYSTEM CONSIST OF?

<p><b>A</b></p>  <p><b>multiGuard Technic RF</b> Receives signals from the remote control and from the tank sensor. Sends signals to alarm units and mobile telephones.</p>	<p><b>B</b></p>  <p><b>Tank sensor</b> Mount it in the lid of the tank.</p>	<p><b>C</b></p>  <p><b>Remote control (Extra equipment)</b> Used for connecting /disconnecting the tank protection.</p>
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### HOW DOES THE TANK PROTECTION SYSTEM WORK?



On the following pages we go through how to install a SIM card in the multiGuard unit; how to mount the tank sensor into the tank; and how to set up the tank protection system to send alarms to your mobile or smartphone.



The Profort Tank Protection System has more functions than here described. See the website for more [www.profort.com](http://www.profort.com)

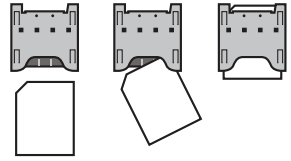
## HOW TO GET YOUR MULTIGUARD UNIT READY:

### SIM card

Use a normal microSIM card from a chosen operator (Not from the mobile organisation '3'). Note the phone number of the card. In future, use it when you send text messages to the unit.

- 1. Check the microSIM card.** Place the microSIM card in a normal mobile phone. Check that you can call and send/receive messages to/from the phone.
- 2. Deactivate the PIN code.** Whilst the microSIM card is in the phone, you need to set the microSIM card to NOT ask for the PIN code (perhaps see how in the manual of your mobile telephone).
- 3. Install the microSIM card.** Remove the microSIM card and mount it in the multiGuard unit (Fig 1 and fig. 2A).

Fig. 1 REMEMBER to turn the SIM card the right way up. See marking by card holder.



Press the SIM card into the holder and push it carefully in place as shown.

### Power

The multiGuard unit can be supplied with power in 3 ways:

- 12/24V DC:** Use the screw terminal (Fig. 2B)
- 230V:** Use the included converter
- Battery:** It is possible to mount a battery in case of power failure (Fig. 2C)

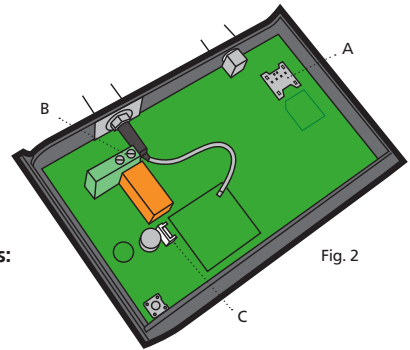
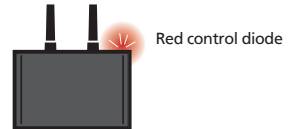


Fig. 2

1. Mount the back-up battery in the plug (optional) (Fig. 2C).
2. Mount the power supply and switch on the power to the multiGuard unit.
3. The unit gives a short beep and the red control diode is lit for approximately 30 seconds.
4. Afterwards the control diode will flash with a single flash every 3 seconds. It shows that the multiGuard unit is ready and functions correctly.



Red control diode

### Placing of the multiGuard unit

The multiGuard unit must be placed centrally in relation to the installed tank units. For example:

**Trucks and construction machines.** Mount the multiGuard unit in the cabin of the truck.

**Agricultural implements.** Mount the multiGuard unit e.g. in the engine house or on the vehicle.

**Stationary tanks.** Mount the multiGuard unit in adjacent buildings where it is dry and there is power access.

## HOW TO GET THE REMOTE CONTROL READY:

A battery from the factory is installed.  
See on the back of the unit which button switches the alarm on.



# PROFORT TANK PROTECTION



## HOW TO GET THE TANK UNIT READY:

Remove the lid off the tank unit. Mount the battery in the sensor. Put the tank unit together again and place the tank unit in the cap that needs protection.



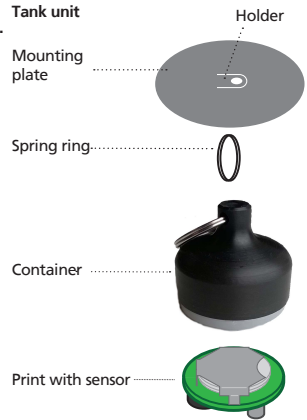
See more about how to do it on [www.profort.com](http://www.profort.com)

### In case of fuel filler cap on vehicle:

Use the spring ring to mount the tank unit in the cap holder. Place the cap on the tank.

### In case of fuel filler cap on stationary tank:

Bow the holder out on the mounting plate. Use the spring ring to mount the tank unit in the mounting plate holder. Carefully screw the mounting plate in place in the fuel filler cap. Place the cap on the tank.



## HOW TO CONNECT ALARM UNITS AND REMOTE CONTROLS:

Briefly press down the little button in the multiGuard unit (Fig. 3A). The unit sends out a series of beeps. It is now ready to receive encoding of the first detector. The detector needs to rest for min. 30 sec. before the alarm is released. Release an alarm by removing the cap that was mounted with the tank unit. The multiGuard unit acknowledges by beeping quickly and then stopping the beeping. Screw the cap back on. The first detector is now activated.

### Connect more units

It is possible to connect more tank units to the same multiGuard unit by repeating the process for the additional tank units.

### Connect remote control

Connect optionally remote controls in the same way – just press the 'unlock' button on the remote control instead of demounting the cap. The remote control is hereby connected to all the alarm units which the multiGuard unit controls.

### Errors or changes in the settings

Do you wish to change the settings or have you made a mistake along the way, the multiGuard unit needs to be reset (see how in the manual of the multiGuard unit). Afterwards you have to start all over as described above.

### Test that the installation works

Open cap with alarm unit without having disconnected the alarm. Test that the alarm works as described on next page.

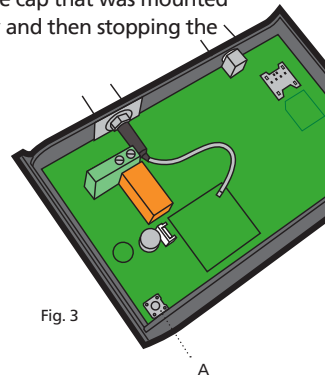


Fig. 3



The multiGuard unit acknowledges with sound signal.



## HOW TO CONNECT A MOBILE TELEPHONE FOR RECEPTION OF ALARMS

Send text to the multiGuard unit with following message: N1[space][number of mobile phone for reception of alarms] E.g.: N1 22334455

Would you like to connect more phones, then repeat the process. Just change N1 to N2, N3 and so on for every extra mobile you connect.

How to change the text in the detector: Note the 6-digit number that appears in the alarm. Send a text message to the unit with the text "DT[space][detector number][space][alarm text]". E.g. "DT 100123

## HOW ARE ALARMS RECEIVED?

### Output:

Connected alarm units give signal, e.g. horn or light, on vehicle and/or external siren and lights on stationary installations.

### Text message:

You receive a text message on the phone/s connected to the multiGuard unit.

The multiGuard unit gives alarm for 10 seconds after which it automatically stops.

## HOW TO CONNECT/DISCONNECT THE ALARM SYSTEM WHEN FUELLING

### Remote control:

Is a remote control connected, press the Alarm OFF button.

The multiGuard unit acknowledges with two beeps.

When the fuel filler cap is screwed on again, the alarm system is activated by pressing the Alarm ON button. The multiGuard unit acknowledges by beeping 4 times.

### Text message:

Use a mobile telephone.

Send a text with the message 'OF' (NOTICE! Spelled with only one F) for the phone number of the multiGuard unit. You can also use a mobile phone which is not connected to the alarm system.

When the fuel filler cap is screwed back on, the alarm system is activated by sending a text with the message 'ON' to the phone number of the multiGuard unit.



For further info, see the instruction film and FAQ on our website.

**Do you need further help or are you interested in advanced functions?  
Read more in the manual on [www.profort.dk](http://www.profort.dk)**