



# QUICK MANUAL PROFORT GSM UNIT (IR REMOTE CONTROL)

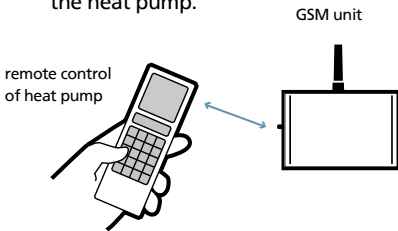
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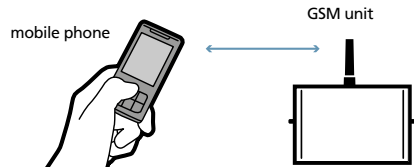
## How to use the Profort GSM unit for control of a heat pump by use of mobile phone

### HOW DOES THE GSM UNIT WORK?

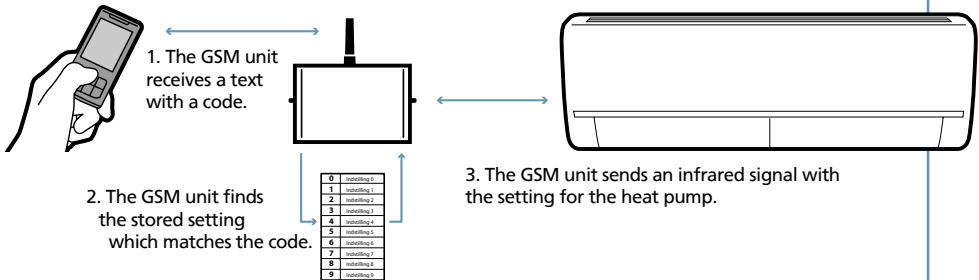
- 1** The GSM unit can record and store signals from the remote control of the heat pump.



- 2** Your mobile phone can communicate with the GSM unit because the GSM unit has a built-in telephone module. The GSM unit therefore also needs a SIM card.



- 3** When the GSM unit is set, the system functions as follows:



The following pages detail how to store settings from the heat pump remote control in the GSM unit; how to install a SIM card in the GSM unit; and how to use a mobile phone to control the heat pump.

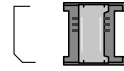
## HOW TO MAKE THE GSM UNIT READY:

### SIM card

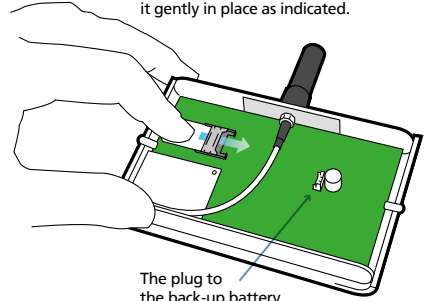
Use a normal SIM card from a standard operator. Take note of the phone number of the card. This is hereafter the number to use when texting or calling the unit.

- 1. Check the SIM card.**  
Apply the SIM card in a normal mobile phone. Check that you can call and send messages to and from the phone.
- 2. Deactivate the PIN code.**  
While the SIM card is in the mobile phone, you set the SIM card to NOT ask for the PIN code (see how in the manual for your mobile phone).
- 3. Install the SIM card.**  
Take out the SIM card and mount it in the GSM unit.

Remember to turn the SIM card the right way up. See the marking by the SIM card holder.



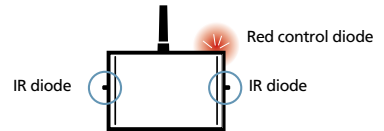
Press the SIM card into the holder and push it gently in place as indicated.



The plug to the back-up battery is placed here.

### Power

1. Mount the back-up battery in the plug, if in use.
2. Mount the power supply and switch on the power for the GSM unit.
3. The red control diode is lit for approx. 30 seconds.
4. Then the control diode will flash with a single flash every 3 seconds. It shows that the GSM unit is ready and functions correctly.

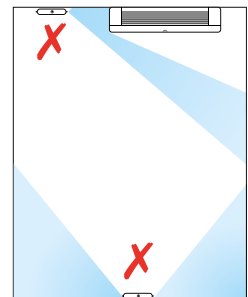
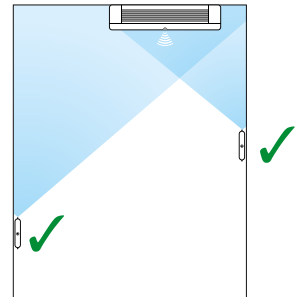


### Positioning of the GSM unit

The heat pump receives infrared signals from the GSM unit in exactly the same way as a television receives signals from its remote control. It is therefore important that the GSM unit is placed so that the heat pump can 'see' the IR diodes of the unit.

1. Place the GSM unit in visible distance and max 8 metres from the heat pump.
2. One of the two IR diodes must point towards the heat pump.
3. Test the position by checking whether the heat pump reacts when a text message is sent. (See how to set the unit to receive text messages on the next page).

It is possible to get an IR gooseneck or an IR cable as extra equipment in order to get more options to place the GSM unit so that it can 'see' the IR receiver of the heat pump.



When you are certain that the GSM unit can communicate with the heat pump, you mount it fixed to wall or roof.

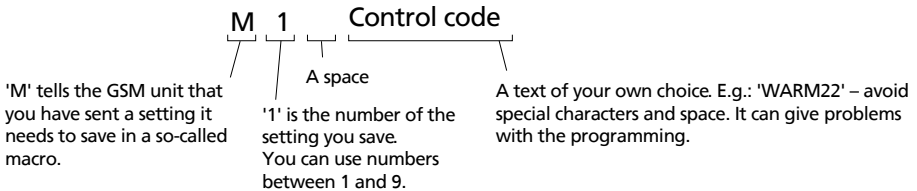


## HOW TO STORE SETTINGS FROM THE HEAT PUMP REMOTE CONTROL

The GSM unit is pre-programmed with default settings for most market heat pumps. See attached note, if applicable. If the GSM unit is pre-programmed to the settings of your heat pump, you can skip this page.

You communicate with the GSM unit through text messages. The messages have different shapes depending on what the GSM unit needs to do.


When you *programme* the GSM unit, the text message contains following characters:



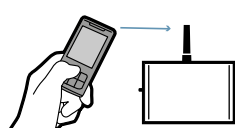
When programming the settings, the text message will thus look like this: 'M1 WARM22'.

## Programming of the GSM unit

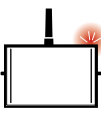
- 1



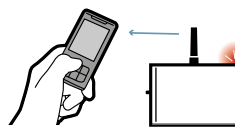
Set the heat pump remote control with the desired functions. It could be e.g. 22 °C, auto swing, auto fan.
- 2



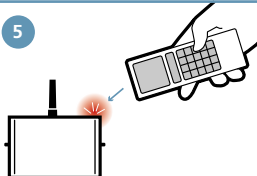
Take your mobile and send a message with, e.g., the text: 'M1 WARM22' (M + macro number + space + control code). Send the message to the number of the SIM card in the GSM unit.
- 3



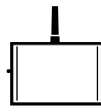
The red diode of the GSM unit flashes quickly for 30 sec.
- 4



At the same time, the GSM unit answers with a text: 'OK>> M1 WARM22'. It means that it is now ready to receive and store settings.
- 5



Point the heat pump remote control at the flashing diode. Press the remote control as if it is the heat pump you are setting.
- 6



The infrared signal is now recorded and saved on space no. 1 in the GSM unit and the quick flashing of the red diode stops.

You have now stored a setting from the heat pump in the GSM unit on macro space 1. Repeat point 2 - 5 to save more settings from the remote control. There is room for up to 9 different settings.



## HOW TO CONTROL THE HEAT PUMP FROM A MOBILE

### Get room temperature information

The GSM unit is always pre-programmed to inform about the room temperature. Send a text with the control code 'TEMP' and the GSM unit returns a text with the room temperature.

The GSM unit acknowledges through a text with the temperature.

### Change setting on the heat pump

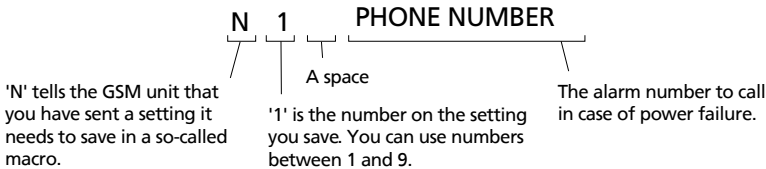
Send text message with the control code that matches the setting you want to use. In our example it was 'WARM22' for setting the heat pump to 22 °C, auto swing, auto fan.

REMEMBER to ONLY use the control code.

M+number is ONLY used when programming.

### Receive text in case of power failure

The GSM unit can send a message in the event of power failure (if it is equipped with a back-up battery). The GSM unit acknowledges with a text.



When you programme alarm numbers the text message will look like this, e.g. : 'N1 22336688'.

If you wish to delete a number from the alarm then you need to send a text saying 'N+the number of the setting'. E.g. 'N1' in this case.

The GSM unit is set to wait 30 minutes before it sends an alarm. Then you will not receive any unwished for alarms in case of short-termed outages in the power supply.

(If you do not want an alarm to be delayed, but would like to be contacted immediately in case of power failure, you need to send a text with the message 'JS' to the GSM unit).

The GSM unit now sends the message 'POWER FAILURE' to the chosen number/ numbers in case of power failure.

### Do you have a smartphone?

You can also download our app for smartphones which makes it easier to use the GSM unit.



**Do you need more help, or are you interested in advanced functions?**

**Read more in the manual on [www.profort.com](http://www.profort.com) or the CD with the Profort PC Program.**