



Installation instructions/User instructions



Mkomfy R-T 25A

Panel-installed cooker guard relay

Mkomfy set with sensor and relay
is supplied ready paired and ready for use

**CTM
LYNG**

Fulfils the requirements
of NEK 400:2014

SAVE THESE INSTRUCTIONS

User information

Microsafe Mkomfy is a safety product from CTM Lyng AS. The product is mandatory for new installations and major renovation projects and is intended as extra safety for avoiding uncontrolled fire breakout and damage to property.

The product assumes normal care in the use of the cooker and associated cooking implements. In normal use the cooker should be kept under frequent observation, even if safety equipment such as Mkomfy is installed.

Time function

When Mkomfy detects heat on the hob, an integral timer starts up. After 2 hours, the power supply is turned off, even if no overheating is detected.

5 minutes before the time expires, Mkomfy will emit a sound signal once every 15 seconds. If you need to continue cooking, a short press on the function button within the last five minutes will extend user time by an extra 30 minutes. This can be repeated if a new warning is given and your cooking is still not finished.

Anti-tamper function

If the sensor is removed from its bracket, a safety function is activated which cuts off the power to the cooker. On activation, the sensor will beep once a second for 5 seconds, before disconnecting the cooker. To start the cooker, replace the sensor in the bracket and press the function button (short press).

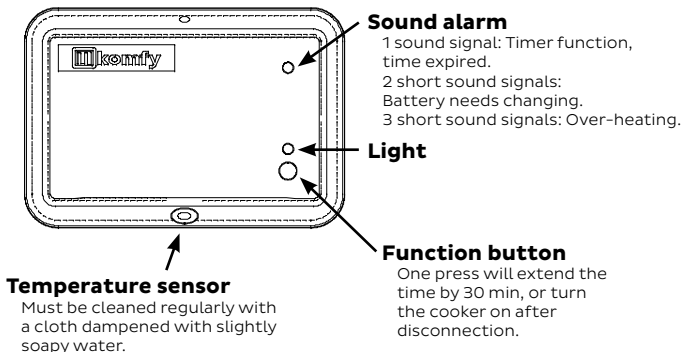
Overheating

An absolute limit has been set for the maximum temperature on the hob. The rule is that a frying pan with fat must not get so hot that it catches fire. In the case of overheating, Mkomfy will emit an alarm of 3 short sound signals every 5 seconds. Normally, if you operate the function button within 40 seconds of hearing the alarm, you will have 5 minutes more user time, or you can take steps to reduce the temperature and continue as normal. If the function button is not pressed, the cooker will turn off after 40 seconds.

Please remember that if you slide a frying pan or saucepan over onto another cooker element, you will be uncovering a very hot element as well as the hot frying pan/saucepan. Mkomfy may detect this as overheating and shut down the cooker after an overheating warning.

The product requires correct installation and maintenance as described.

User information



Changing the timer function

The timer function can be temporarily changed from 2 hours operating time to 12 hours operating time. This is done by pressing the function button for 10 seconds. The sensor acknowledges this with two sound signals. During the last five minutes of the twelve hour period, the sound emitter will produce a sound signal every 30 seconds. If cooking is to proceed for more than 12 hours, pressing the function button within the last 5 minutes will extend user time by 30 minutes. This can be repeated if cooking is still not finished and a new warning is given. If it is wished to reset Mkomfy to 2 hours operating time, press the function button for 10 seconds, and the sensor will acknowledge this with a single sound signal.

Do visit us on
www.ctmlyng.no/komfyrvakt
or scan the QR code on the right
with your smart phone for more
information and documentation
regarding the cooker guard.



User information

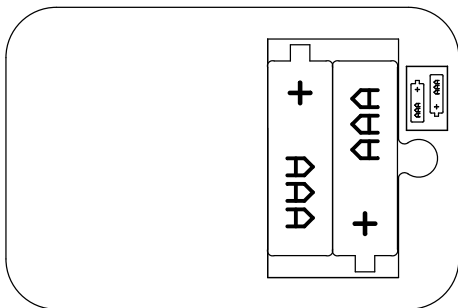
Battery change

Recommended every three years or when the battery warning signal is given. The sensor will warn about battery change when necessary. This is done by 2 short sound signals every 5 minutes.

1. Flip the cooker guard away from the wall.
2. Loosen two screws on the rear and remove the cover.
3. The batteries can then be turned out and replaced.

Battery type AAA (ordinary remote control batteries)

Make sure the batteries are correctly installed.

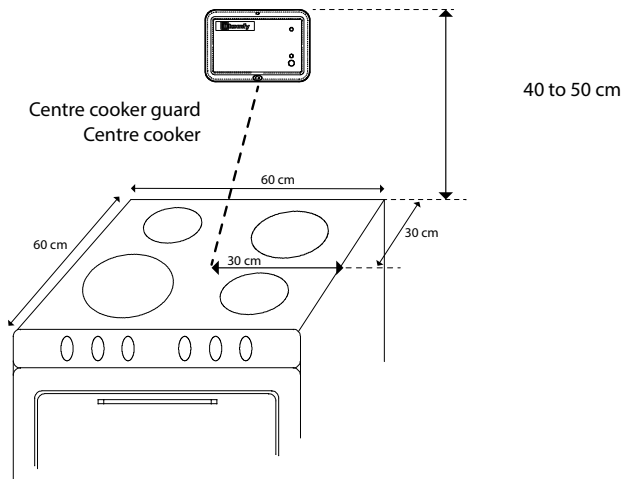


Installation information

Installation information for sensor

Carefully clean the wall and make sure it is dry before pressing the cooker guard into place at the correct height (remove the backing tape). The adhesive foot must be fixed to the cooker guard.

NB: If a screw is used to fix the foot, the screw head may not be greater than 6.9 mm in diameter or protrude more than 2.5 mm.



Quick instructions

1. Mount the relay.
2. Mount the sensor.
3. Brief press on button (sensor BEEP = relay response OK)

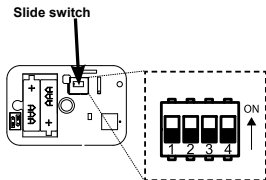
Installation information

Function test

To test for function, run a “forehead test”

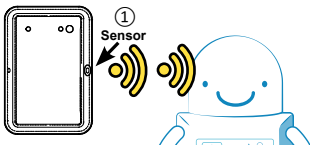
1.

Unscrew the rear cover of the sensor and set slide switch 4 to position ON.



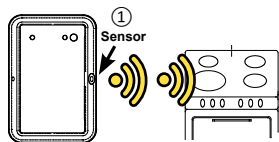
2.

Point the sensor eye marked ① towards your own face/forehead and check that the cooker turns off (the temperature of your forehead is over 30°C).



3.

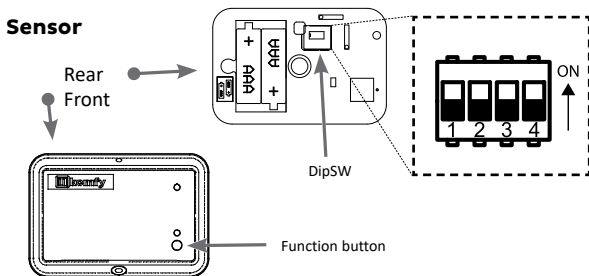
Point the sensor eye marked ① to a cold surface (at normal room temperature) and the cooker will turn on again (the surface is colder than 30°C).



4.

You have now tested all functions. Remember to set switch 4 back to OFF position and remount the sensor.

Installation information



Dip 1	Not in use
Dip 2	ON: *Extra-high temperature
Dip 3	ON: **Induction
Dip 4	ON: Function test and pairing mode. See pages 6 and 8.

* Extra-high temperature (To be carried out only by an authorised installer)

In certain locations or with certain types of hob, the sensor may be slightly over-sensitive. In such cases, the overheating temperature may be raised by 15 degrees. This function should be used with great care, as it may affect the safety of the product. We recommend that the sensor is used as supplied, in off-position.

**Induction

When using a powerful induction cooker, safety can be increased by shortening the alarm period so that the cooker cuts out after 20 seconds in the event of overheating, rather than the standard 40 seconds.

Installation information

Pairing of Sensor and Cooker Guard Relay

The Mkomfy set with sensor and cooker guard relay in the same pack are already paired. If you have bought a separate sensor, this must be paired with the cooker guard relay. This can be done in two different ways.

Read through the whole instruction for both alternatives before performing pairing!

Alternative 1:

Pairing of Sensor without physical intervention on cooker guard relay.

1. Activate Sensor in pairing mode by setting DipSW 4 to active [ON].
2. Disconnect the power to the cooker guard relay for 5 seconds by turning the relevant fuse circuit off and on.
- Within 20 seconds of turning the fuse circuit on:
 Hold in the function button on the sensor for 6 seconds.
 The sensor will emit a sound signal every 2 seconds, if pairing has succeeded.
3. Once again, disconnect the power to the cooker guard relay for 5 seconds by turning the relevant fuse circuit off and on.
NB! This must be done within one minute of connecting the relay under Point 2, or the pairing will not be saved
4. Set DipSW 4 back to inactive [OFF].
Pairing is now complete.

Alternative 2:

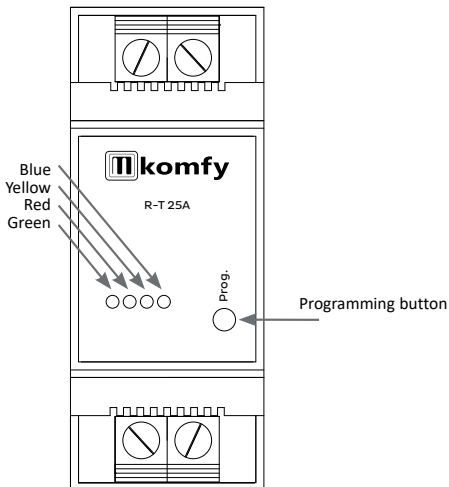
Pairing of Sensor by activation of programming button on cooker guard relay.

1. Activate Sensor in pairing mode by setting DipSW 4 to active [ON].
2. Briefly press the programming button on the cooker guard relay. Yellow diode will now begin to flash. The cooker guard relay will now be in pairing mode for 30 seconds.
3. Hold in the function button on the sensor for 6 seconds while the yellow LED flashes. The sensor will emit a sound signal every 2 seconds, if pairing has succeeded.
4. Set DipSW 4 back to inactive [OFF].

NB: It is not possible to have more than 1 Mkomfy Sensor connected to the Cooker Guard Relay at the same time. Pairing a new sensor will automatically delete the sensor already paired with the cooker guard relay.

Installation information

Overview of cooker guard relay



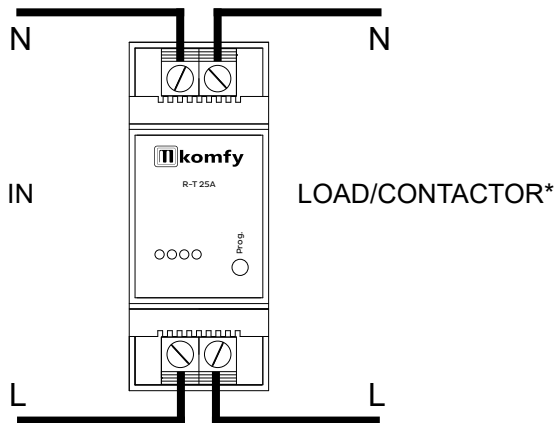
Explanation of LEDs

Green	Lights up continuously while the relay is connected. Flashes if there is no communication with the sensor *
Red	Flashes when paired units are deleted or if the command from the sensor is rejected.
Yellow	Flashes when the relay is set to pairing mode.
Blue	Indicates radio communication. Flashes when button on sensor is pressed. *

* Green and blue flash simultaneously when relay is in emergency mode.

Installation information

Installation is not complete until the radio connection has been checked by pressing the function button on the Sensor and noting that the red diode on the relay responds with a flash and that the Sensor acknowledges this with a sound signal and red flash.



*Can also control a contactor. This is recommended when the RC circuit is mounted in parallel with the coil on the contactor.

Deletion of connected units on Socket

Hold the programming button in for 8 s until the Red diode begins to light up. Do not release the button until this diode starts to flash. All connected units are now deleted.

User information

Alarms signals with use of Mkomfy

Alarm signal:	One (1) sound signal every 15 seconds.
Cause:	In the last 5 minutes of the timer function.
Action:	Press the button for an extra 30 minutes of function time.

Alarm signal:	One (1) sound signal every second for 5 seconds.
Cause:	Anti-tamper function detects that the sensor has been removed from the bracket.
Action:	Replace the sensor in the bracket and press the button.

Alarm signal:	Two (2) sound signals every five minutes.
Cause:	Battery change necessary.
Action:	Remove the sensor from the bracket, unscrew the rear cover. Insert 2 new batteries (2xAAA) within 15 minutes. NB Make sure you have new batteries to hand.

Alarm signal:	Three (3) sound signals every 5 seconds, lasting for 40 seconds, and the LED flashes.
Cause:	Overheating.
Action:	Press the button and take action, e.g. by turning down the heat, within 5 minutes.

NO RESPONSE	
Cause:	No power to the cooker.
Action:	Press the button. NB If this does not work, insert new batteries in the sensor as described above.

NB If none of these actions work, turn the fuses on the cooker circuit off and on. You will now have power for 12 hours. Use this time to call an electrician to find the source of the problem.

This is an emergency mode. NOTE that the safety function will NOT be active in this period.

The relay will beep once every 30 seconds for the first 5 minutes after activating the emergency mode.

Thank you for choosing...



3517 - Art. No. 11638

Technical data

Mkomfy Komfyrvakt R-T 25A

Voltage:
230 VAC (+/- 10%)

Max. load:
25 A

Physical dimensions, sensor:
96x66x28 mm

Timer:
2 hours/12 hours

Battery type:
2 pcs. AAA/LR03

Battery life:
Up to 6 years

RF:
868,100 MHz

Transmitter power:
+5 dBm



El. No.	Name
6251698	Mkomfy R-T 25A

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