

Troubleshooting may **only** be carried out by an authorised installer.

**CTM
LYNG**

1721 Art. No.: 13861

Technical data

| | |
|---|---------------------------------------|
| Voltage: 230 VAC (+/- 10%) | Max. cont. load: 16 A |
| Peak: 20 ms/200 µs 165 A/800 A | Life: 20,000 connections |
| RF: 868.100 MHz +5 dBm | RF range: Up to 15 metres |
| El. temp. protection: 75°C | Current draw: 35mA |

CTM Lyng AS is Norway's leading manufacturer and supplier of security products for the home, assistive technology, energy efficiency, and light and heating control for all building types under the mKomfy®, mTouch®, Microsafe® and Centrol® brands. We distribute our products through wholesalers. We offer everything from product development to production and distribution. Our production facility in Vanvikan is equipped with some of the most advanced machinery in Europe.

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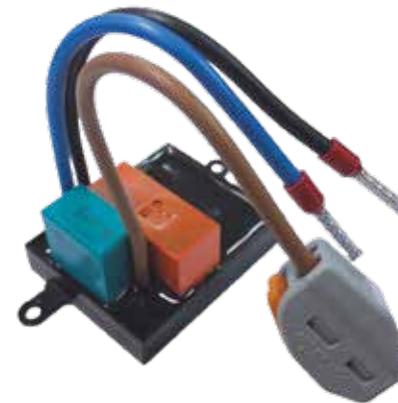
Thank you for choosing a product from CTM Lyng AS

**CTM
LYNG**

Installation and User Guide

MICROSAFE®

Relay for recessed box



Part No. 4150114 Built-in relay, radio

SAVE THIS GUIDE

Relay for recessed box. Supplied complete with 10 cm cables with ferrules and Wago clamp.

Controlled wirelessly via 868.100 MHz.

Compatible with newer "R" / "Radio" products, e.g.:

- Mswitch Mic
- Mswitch Cooker Guard Sensor
- Mswitch On/Off
- Mswitch Timer
- Aqua Xpress Moisture Sensor
- Aqua Xpress Motion Sensor
- Mswitch Magnetic Switch
- mTouch Economy Switch
- mTouch Astro
- mTouch HUB



Look for products labelled "v2"

Microsafe Recessed Relay is a flexible product that can be expanded to accommodate different needs and security levels.

MASTER FUNCTION

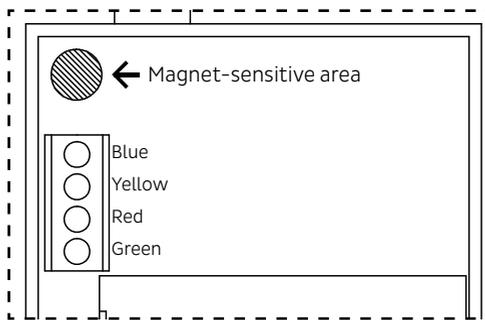
The Master Switch overrides other units.

If a relay is switched off using the Master, you have to press the Master switch to activate the relay again.

If several timers are used with the same relay, the longest timer is always the one that applies.

Example

The timer is set to 2 hours and is started. Someone goes into the bathroom and this is detected by the motion sensor. It is set to 5 minutes. However, the relay will not be switched off for 2 hours because of the timer.



Green LED

Lights up continuously while the relay is connected. Flashes if there is no communication with the cooker guard sensor.

Red LED

Flashes when paired units are deleted or if the command from the paired unit is rejected.

Yellow LED

Flashes when the relay is set to pairing mode.

Blue LED

Flashes when data is received from the paired unit (flashes when the button is pressed on the cooker guard sensor)

In special cases

- Blue + green LEDs flash alternately if there is no radio connection with the units (emergency mode).
- Red LED flashes if there is excess temperature inside the relay - relay is switched OFF and switched ON again when the temperature is below 65°C.

Emergency mode

If an error occurs with the relay, or paired units have dead batteries, the relay will be switched off. If the error cannot be corrected immediately, the power supply to the relay can be cut by removing the fuse circuit and putting it back. The relay will then be on for 12 hours. After 12 hours, the relay is switched off again.

Alternative 1 (To be carried out by authorised personnel only)

1. Move a magnet (like the push of a button) over the magnet-sensitive area on the relay.
 Tip: Put a bit in the magnetic bit holder and point to the sensitive area with the bit.
 - The yellow LED will start to flash every 2 seconds.
 - The relay is now in pairing mode for 60 seconds
2. Operate the unit you want to pair with. See separate user guide.

Alternative 2 (Can be carried out by anyone)

NB. If several relays are connected to the same circuit, there may be a conflict with the desired function. In this case, use alternative 1.

1. Disconnect the power to the relay by removing the fuse circuit and putting it back again.
 - The yellow LED will start to flash every 2 seconds.
 - The relay is now in pairing mode for 60 seconds.
2. Operate the unit you want to pair with. See separate user guide.
 - Disconnect the power to the relay again by removing the fuse circuit and putting it back again. NB: This must be done within 1 minute of pairing.

Pairing with mTouch HUB

1. Hold a magnet over the magnet-sensitive area until the red and yellow LEDs light up (around 3 to 5 seconds).
2. Then remove the magnet.
3. The pairing signal from the relay will be sent 5 times.

To check how many units the relay is paired with

1. Hold a magnet to the magnet-sensitive area until the yellow LED lights up continuously.
2. Remove the magnet.
3. The yellow LED will flash. The number of flashes indicates how many paired units there are.