CTM LYNG

MAIN CATALOGUE 2017

NORWEGIAN
QUALITY
PRODUCTS

QUALITY - 7 YEARS - GUARANTEED

7

A world of possibilities

Designer products

The BlueLine range

Offers the customer products
in an elegant design!

The BlueLine range is available in several
colours and options:

About CTM Lyng AS

In 2015, CTM became part of Addtech Nordic AB, which is a business unit in the Addtech Group (Addtech AB). The Addtech Group is made up of approximately 140 companies with around 2,200 employees and turnover in the region of SEK 6.5 billion.

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®, VERN, Microsafe® and Centrol® brands. We distribute our products through electrical 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.
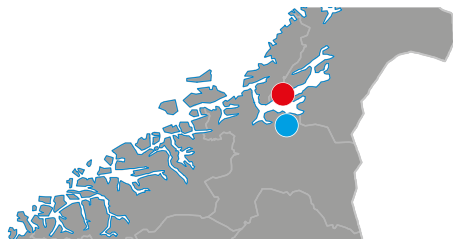
Our headquarters is in ● Vanvikan, where administration, production, logistics and distribution are taken care of, while the development and marketing departments are based in ● Klæbu.

Distribution

CTM Lyng only sells through wholesalers. All our products are stocked by or can be ordered through any electrical wholesaler in Norway.

Guarantee & Service

All our 'on/off' products come with a 7-year guarantee.
The 7-year guarantee applies to thermostats, cooker guards, relays and motion sensors (without a dimmer) based on the date of production.Dimmers, which come with a 5-year guarantee, are currently the only exception.

Sparkless relay technology

Our patented sparkless relay technology is used in all our 'on/off' products. Sparkless switching eliminates what essentially wears relays out, the spark. Sparks gradually contaminate the actual relay contacts, causing them to fuse together. Our relays have a virtually unlimited life and we guarantee 11 million switch operations, although the supplier gives the relay itself a much shorter life.

SPARKLESS
RELAY TECHNOLOGY

CTM Lyng AS – focusing on security

CTM Lyng became part of Addtech AB on 18 August 2015.

We are still the same reliable supplier of security and comfort products, lighting and heating control, and assistive technology. Our products are developed and manufactured in (Central) Norway.

A total supplier – from product idea to distribution.

- Product idea
- Development
- Purchasing
- Production/PCB assembly
- Coating (lacquer and encapsulation)
- Assembly
- Testing
- Packing
- Distribution in Norway and abroad

Find out more at http://www.ctmlyng.no/produksjon/

5

Star products
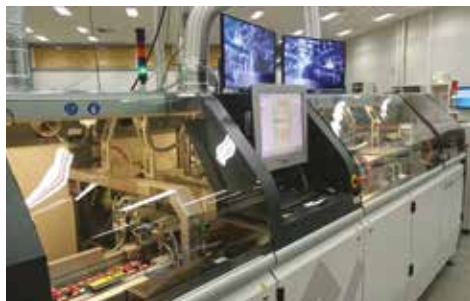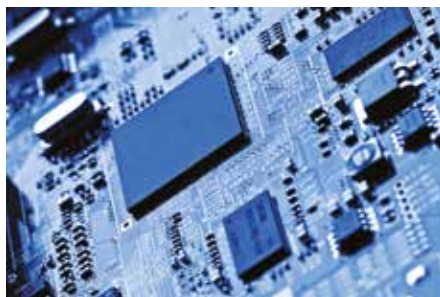
Our bestsellers!

Mkomfy 25R
Market-leading cooker guard
Part No. 6251680

Mkomfy R-T 25 A
Panel-installed cooker guard
Part No. 6251698

Mtemp
Simple thermostat
Part No. 5450340

MTRNS-W TermREG
All-in-one thermostat/regulator
Part No. 5450303

MdimLed
The LED dimmer that has it all
Part No. 1418267

Mkomfy 2G Chrome
Designer cooker guard
Part No. 6251610

MBD16
Simple motion sensor
Part No. 1418254

MSB16
Smart photocell
Part No. 1418252

MTR-W TermREG
Thermostat & Regulator
Part No. 5450302

MBD AutoLight DimLed
Motion sensor with dimmer
Part No. 1418222

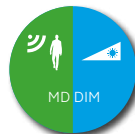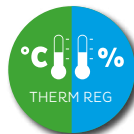**C3P**
Control panel with feedback
Part No. 1418105

Product labelling

Makes it easier to find the products you want on the shelves...

COOKER GUARD

THERMOSTAT

REGULATOR

TWILIGHT SWITCH

TIMER

DIMMER

MOTION SENSOR

HOME SECURITY

THERM REG

MD DIM

TIPS!
Branding products for wholesalers

Go to **http://ctmlyng.no/brosjyrer/** or scan the QR code.

Branding menu

MTemp

MICROSAFE®

QUALITY - 7 YEARS - GUARANTEED

7

INCLUDED

MGF47K
floor sensor
in the box

Microsafe® MTemp, Thermostat

The MTemp shows the precise temperature on the digital display.

The temperature is simple to adjust using the + and - buttons.

The display shows the actual temperature in the room in which the thermostat or external sensor is located. If + / - is pressed, the display switches to showing the set temperature and then returns to the actual temperature. Red LED indicates that heating is in progress.

Can be used with any floor sensor (see parameter menu)
The MTemp is available in a 1/2-pole 3600/2300 VA version.

The perfect project thermostat

PART NO.	NAME	
5450340	MTemp	16A/2300VA 2P
5450341	MTemp	16A/3600VA 1P

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Temp./Power:	5–40°C
Voltage:	230 VAC +10/-20%	Floor sensor:	Own terminal (Fig. 1)
Max. load:	2,300/3,600 VA	Fuse:	16 A

Floor sensor (MGF47k, Part No. 5450304) included.

FEATURES

✔ Very simple to use.

✔ Unique design.

✔ Display showing the actual temperature in the room in which the thermostat or external sensor is located.

✔ Adjustment up/down of temperature controlled by button.

✔ Sparkless relay offers superior reliability, low heat generation and virtually silent switching.

PARAMETER MENU

Menu   > Press – and ON/OFF simultaneously
Scroll   > Press ON/OFF button
Select   > Press +/–
Reset   > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	VALUE
PA	Floor sensor selection / type	0=47k, 1=12k 3=10k, 2=15k
Pb	Display brightness	0-50

WIRING DIAGRAM

Fig. 1

8
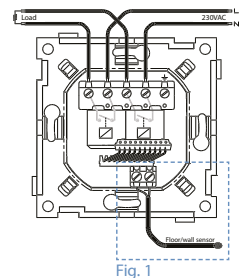
MICROSAFE®

Microsafe® MReg, Regulator

The MReg shows the percentage ON time on the digital display.

The ON time is simple to adjust using the + and - buttons.

The MReg is available in both a 1-pole 3600 VA and a 2-pole 2300 VA version.

The perfect project regulator

PART NO.	NAME	
5450329	MReg	16A/3600VA 1P
5450333	MReg	16A/2300VA 2P

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Reg. power:	1-99%
Voltage:	230 VAC +10/-20%	Backup:	Approx. 2 hours
Max. load:	2,300/3,600 VA	Fuse:	16 A

FEATURES

✔ Very simple to use.

✔ Unique design.

✔ Display showing percentage ON time (1-99%).

✔ Adjustment up/down of regulator power controlled by button.

✔ Sparkless relay offers superior reliability, low heat generation and virtually silent switching.

PARAMETER MENU
For products made after 19.11.2012

Menu > Press - and ON/OFF simultaneously
Scroll > Press ON/OFF button
Select > Press +/-
Reset > Press ON/OFF, + and - simultaneously

MENU	FUNCTION	VALUE
Pb	Display brightness	0-50

THE REGULATION PERIOD

is 15 min. If you set 33%, the regulator will be on for 5 min. and off for 10 min.

WIRING DIAGRAM

TermReg

All-in-one *Thermometer/Regulator*

MICROSAFE®

INCLUDED
MGF47K
floor sensor
in the box

QUALITY - 7 YEARS - GUARANTEED
7

FEATURES

✔ Unique design.

✔ Display showing actual temperature in room where sensor is located (thermostat).

✔ Frost protection 5°C as standard. FP on display = OFF (frost prot. active).

✔ Adjustment up/down of temperature/power controlled by button.

✔ Same product can easily be changed from thermostat (°C) to regulator (%).

✔ Calibration facility +/- 5°C.

✔ Regulator mode and use of external sensor shown on display.

Microsafe® MTR TermReg, Thermostat/Power Regulator

The MTR TermREG shows the precise temperature/power on the digital display and can be adjusted with the + and – buttons.

The MTR TermREG is also available with nighttime temperature drop (NTD), and you can choose between 1- and 2-pole versions with 3,600 VA and 2,300 VA respectively.

Separate parameter menu for adjusting several key functions, e.g. floor sensor type of your choice (see table).

All MTR TermREGs have a key lock function (child safety) and parquet function (limiter if a floor sensor is used). NB: Limiter also when used as a power regulator.

iep
installatørens producer
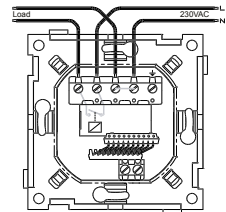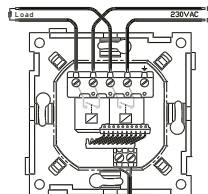
PARAMETER MENU

Menu   > Press – and ON/OFF simultaneously
Scroll   > Press ON/OFF button
Select   > Press +/–
Reset   > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	VALUE
P0	Calibration of displayed temp.	+/–5°C
P1	Frost protection off/on	Off (0) On (1)
P2	Frost protection temperature	0–20°C
P3	Zero night temp. drop	Off (0) On (1)
P4	Night temp. drop hours	1-23 hours
P5	Night temp. drop degrees	1-20°C
P6	Max. floor temperature	5-40°C
P7	Regulation period	1-20 min.
P8	Limiter	Off (0) On (1)
PA	Floor sensor selection / type	0=47k, 1=12k 3=10k, 2=15k
Pb	Display brightness	0-50

LOAD DIAGRAM

PART NO.	NAME	
5450300	MTR TermREG	16A/3600VA 1P
5450301	MTRNS TermREG	16A/3600VA 1P
5450302	MTR-W TermREG	16A/2300VA 2P
5450303	MTRNS-W TermREG	16A/2300VA 2P

TECHNICAL DATA

Physical dimensions:	Conforms to RS16	Temp./Power:	5–40°C / 1–99%
Voltage:	230 VAC +10/-20%	Frost protection:	At 5°C
Max. load:	2,300/3,600 VA	Backup:	Approx. 2 hours
Fuse:	16A		

Floor sensor (MGF47k, Part No. 5450304) included.

10

Black

Alu

Ex

RS

MICROSAFE®

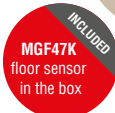QUALITY - 7 YEARS - GUARANTEED

7

MGF47K
floor sensor
in the box
INCLUDED

Microsafe® TermReg BlueLine, Thermostat/Power Regulator

The TermREG shows the precise temperature/power on the digital display and can be adjusted with control buttons.

Separate parameter menu for adjusting several key functions, e.g. floor sensor type of your choice (see table).

The TermREG has a key lock function (child safety) and parquet function (limiter if a floor sensor is used). NB: Limiter also when used as a power regulator.

iep
installerens producter

FEATURES
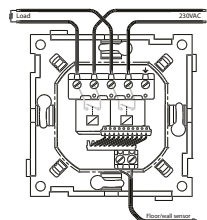
✔ Unique design.

✔ Display showing actual temperature in room where sensor is located (thermostat).

✔ Frost protection 5ºC as standard. FP on display = OFF (frost prot. active).

✔ Adjustment up/down of temperature/power controlled by button.

✔ Same product can easily be changed from thermostat (ºC) to regulator (%).

✔ Calibration facility +/- 5ºC.

✔ Regulator mode and use of external sensor shown on display.

PARAMETER MENU

Menu > Press – and ON/OFF simultaneously
Scroll > Press ON/OFF button
Select > Press +/-
Reset > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	VALUE
P0	Calibration of displayed temp.	+/-5ºC
P1	Frost protection off/on	Off (0) On (1)
P2	Frost protection temperature	0-20ºC
P6	Max. floor temperature	5-40ºC
P7	Regulation period	1-20 min.
P8	Limiter	Off (0) On (1)
PA	Floor sensor selection / type	0=47k, 1=12k 3=10k, 2=15k
Pb	Display brightness	0-50

WIRING DIAGRAM

PART NO.	NAME	BUTTONS	FRONT
5450334	TermReg BlueLine Ex	White	White
5450335	TermReg BlueLine RS	White	Polar white
5450336	TermReg BlueLine Alu	Grey	Aluminium
5450327	TermReg BlueLine Black	Black	Black

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Temp./Power:	5-40ºC / 1-99%
Voltage:	230 VAC +10/-20%	Frost protection:	At 5ºC
Max. load:	2300VA 2P	Backup:	Approx. 2 hours
Fuse:	16 A		

Floor sensor (MGF47k, Part No. 5450304) included.

Other – wall-mounted

terMometer

+/– Thermostat and Indoor/Outdoor Thermometer

16 A/2300 VA 2P Part No. 5450345

✔ Max/Min setting
✔ Connection for outdoor heating cable
✔ Digital indoor and outdoor thermometer

MTRNS–W S

Thermometer/Regulator for self–regulating heating cable

16 A/2300 VA 2P Part No. 5450339

✔ Copes with high starting current

MTRNS-W, Blue
Thermostat/Regulator
16 A/2300 VA 2P
Part No. 5450319
✔ Blue lights/LEDs

MTR-W Hotell
Hotel thermostat
16 A/2300 VA 2P
Part No. 5450324
✔ Adjustment +/– 3ºC

MTR-Cool
Cooling thermostat
16 A/2300 VA 2P
Part No. 5450309
✔ For cooling

MTRNS-W Blind
Thermostat/Regulator
16 A/2300 VA 2P
Part No. 5450316
✔ Concealed controls

All-in-one

MTR-T
Thermostat/Regulator

16 A/3600 VA 2P Part No. 5450310

✔ For panel installation 3-module

MTR-T2
Thermostat/Regulator
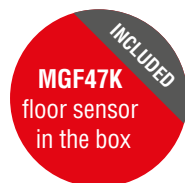
16 A/3600 VA 2P Part No. 5450354

✔ For panel installation 2-module

Sensors

All thermostats
come with
a floor sensor
in the box

INCLUDED

MGF47K
floor sensor
in the box

MGF47k
Floor sensor 47K, 3 m
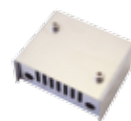
Part No. 5450304

✔ For thin floors

MLF47K
Air sensor 47K

Part No. 5450305

✔ RS16

MLF-I
**Outdoor sensor
industry 47K**

Part No. 5450399

✔ Rugged design

Function table

	MTRNS / W/ TermREG	MTRNS/W/ Blue/Blind	MTR/W Term/reg. 1- and 2-pole	M-Temp 1- and 2-pole	M-Reg 1- and 2-pole	MTR-W Hotell
ON/OFF: Quick press of On/Off button ⑥	●	●	●	●	●	●
Temp. adjustment: To increase temperature, press plus button②. To lower temperature, press minus button③. Set temperature will appear on display for 5 seconds.	●	●	●	●		●
Thermostat/Regulator mode: Switch between thermostat and regulator mode by pressing plus button ② and minus button ③ simultaneously for 3 seconds.	●	●	●			
Frost protection (thermostat mode only): In thermostat mode with thermostat off, FP is visible on display. This means that frost protection is activated. Thermostat will come on at approx. 5 °C or below to prevent frost damage. NB: In regulator mode, frost protection will not be active if thermostat is off.	●	●	●	NO FROST PROTECTION		
Child safety: Hold ON/OFF button ⑥ in for approx. 8 seconds to activate Child safety. Confirmed by display flashing briefly. Repeat to turn child safety off.	●	●	●	NO CHILD SAFETY		
Nighttime temperature drop (NTD): Hold in button ⑩ for 3 seconds until green LED flashes. NTD is activated when green LED is on. A quick press on button ⑩ deactivates NTD for 24 hours, but it is reactivated automatically the next day. For permanent deactivation, go to Parameter P3.	●	●	NO NIGHTTIME TEMPERATURE DROP			
Limiter/Parquet function: (Menu P6 & P8) Function used with parquet floors to prevent overheating. Set in parameter menu P6 (Max temperature).	●	●	●			
Calibration: (Menu P0) Hold a reliable thermometer next to thermostat and set correct temperature on thermostat with + ② and – ③ buttons. Set temperature will be stored automatically after 10 seconds.	●	●	●			
Display ① shows actual temperature.	●	●	●	●		●
Quick press on Plus ② or Minus ③ button displays selected temperature.	●	●	●	●		●
Dot on ④ display indicates that a floor or wall sensor is connected.	●	●	●	●		●
Dot ⑤ indicates regulator mode.	●	●	●		●	
Red LED ⑦ indicates that heater/element is is enabled.	●	●	●	●	●	●
Amber LED ⑧ indicates day mode.	●	●				
Green LED ⑨ indicates nighttime temperature drop mode. Lowers temperature by (e.g. 5°C in relation to set value), and 50% in regulator mode.	●	●	NO NIGHTTIME TEMPERATURE DROP			

Limiter/Parquet function

Most of our thermostats have as standard a limiter function, which means that the floor cannot get hotter than 28°C. The function is factory-set to on, but can be turned off or adjusted.

The automatic limiter function is designed to stop parquet floors being damaged by too high a temperature.

Depending on the floor type, it may be advisable to change the maximum temperature. Always check with the floor manufacturer how much heat the floor can cope with before increasing the temperature.

Thermostat selector

We have thermostats and power regulators for every purpose. With all the different products, it is easy to lose your way.

But our product selector makes it simple to find the right product based on the functions needed.

It is also possible to find an equivalent by searching for other manufacturers' part numbers.

Go to
produktvelger.ctmlyng.no
or scan the QR code.
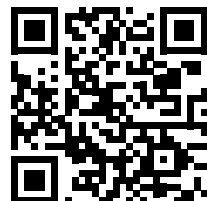
For the design conscious

Mkomfy 2G Sensor

Offer the customer a cooker guard sensor to match their kitchen!

Still the best cooker socket on the market?

...thanks to your feedback!

The screws are held firmly in the cover, so they cannot get lost

Status LED

Pairing button that can be operated with the cover closed

COMPLETE COOKER SOCKET
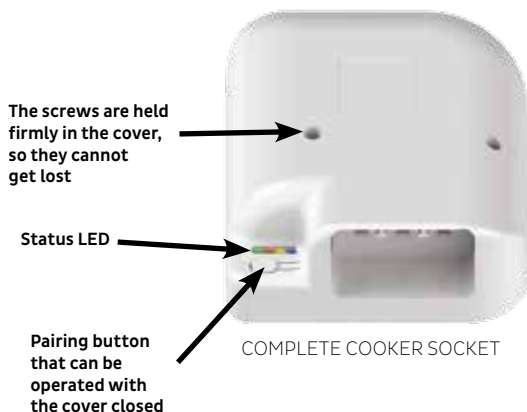
External wireless reset button supported
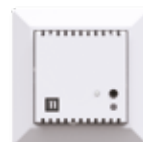
Strain relief for wall installation in corner

BASEPLATE

Larger hole for concealed wiring

'Keyhole' for wall and P&P installation

Wago spring clamps for connecting L and N

Elevator clamp for earth connection

FEED

Perfectly tailored installation on wall or concealed box
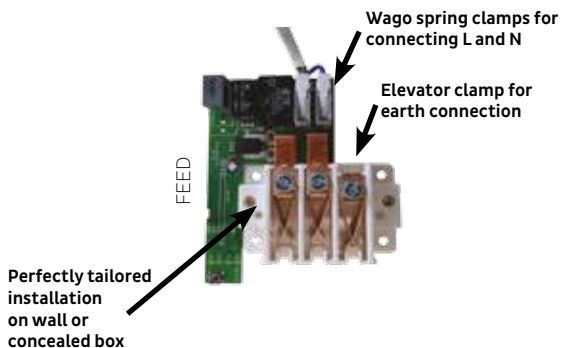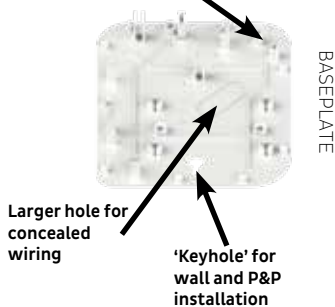
Mkomfy 25, Wireless or wired

NEK 400:2014

NEK EN 50615

MICROSAFE®

Also available in black or silver

FEATURES

✔ Fixed cooker guard.

✔ Double security:
Time & Temperature.

✔ Turns cooker off automatically after 2 hours if off delay button is not used expandable).

✔ Turns cooker off automatically if hob overheats.

✔ Fast, simple installation and use.

✔ Different bracket solutions for the sensor are available for installation in the hood or for 50-70 cm over the hob.

✔ Sparkless 25 A relay in cooker socket.

✔ Tamper protection.

Microsafe® Mkomfy 25, Fixed Cooker Guard

The fixed cooker guard is a security product that monitors your hob/cooker. It performs a dual security function: timer and monitoring for overheating. The Mkomfy has tamper protection.

The Mkomfy consists of two modules: a cooker guard sensor (which goes on the wall over the cooker) and a cooker socket for connecting the hob.

TIPS Also available in a 16 A version, see separate product sheet.

The cooker guard goes on the wall or in the hood over the cooker with wireless communication to the cooker socket.

The cooker socket replaces a traditional socket. The hob connects directly to it.

PART NO.	NAME	CONNECTION	COLOUR
6251680	Mkomfy 25R	Wireless	White
6251670	Mkomfy 25C	Wired	White
6251689	Mkomfy 25R-Si	Wireless	Silver
6251695	Mkomfy 25C-Si	Wired	Silver
6251688	Mkomfy 25R-Sv	Wireless	Black
6251694	Mkomfy 25C-Sv	Wired	Black

COOKER SOCKET	
Voltage:	230 VAC +10/-20%
Max. load:	25 A
ON time:	2 hours (expandable)
Dimensions:	138x117x80mm

COOKER GUARD	
Battery:	2 x AAA
Battery life:	6 years
RF:	868.100 MHz/+5 dBm
Dimensions:	96x66x28mm

Mkomfy 2G, Designer, Wireless

NEK 400:2014

NEK EN 50615

MICROSAFE®

QUALITY - 7 YEARS - GUARANTEED
7

just 83 mm

Now with new, improved function button!
The button is held in place and cannot
get lost during installation.

FEATURES

✔ Fixed cooker guard.

✔ Double security:
Time & Temperature.

✔ Built-in location sensor.

✔ Turns cooker off automatically
after 2 hours if off delay button
is not used (expandable).

✔ Turns cooker off automatically
if hob overheats.

✔ Fast, simple installation and use.

✔ Battery life 6 years.

✔ Memory placement function.

✔ Tamper protection.

✔ Sparkless 25 A relay in
cooker socket.

Microsafe® Mkomfy 2G 25R, Fixed Cooker Guard

The cooker guard is a security product that monitors the hob
on your cooker. It performs a dual security function: timer and
monitoring for overheating.
The Mkomfy has tamper protection.

i e p
installasjons produkter

The 2G has a built-in location sensor for ease of installation. Built-in bracket
for installation on wall or in cooker hood/extractor, 50-120 cm over hob.
The Memory placement function avoids having to reinstall the cooker guard
after changing the battery, for example.

The Mkomfy consists of two modules: a cooker guard sensor (which goes on
the wall over the cooker) and a cooker socket for connecting the hob.

The cooker guard goes on the wall
or in the hood over the cooker with
wireless communication to the
cooker socket.

The cooker socket replaces
a traditional socket. The hob
connects directly to it.

PART NO.	NAME
6251610	Mkomfy 2G 25R, Chrome
6251611	Mkomfy 2G 25R, Black
6251612	Mkomfy 2G 25R, White

COOKER SOCKET	
Voltage:	230 VAC +10/-20%
Max. load:	25 A
ON time:	2 hours (expandable)
Dimensions:	138x117x80mm

COOKER GUARD	
Battery:	2 x AAA
Battery life:	6 years
RF:	868.100 MHz/-6 dBm
Dimensions:	32 x 83 mm

Mkomfy R-T, Panel-installed

MICROSAFE®

Also available with 2G sensor

FEATURES

✔ Cooker guard relay for panel installation.

✔ Can also control a contactor.

✔ Double security: Time & Temperature.

✔ Turns cooker off automatically after 2 hours if off delay button is not used (expandable).

✔ Turns cooker off automatically if hob overheats.

✔ Tamper protection.

Mkomfy R-T 25A, with panel-installed cooker guard relay

The Mkomfy is a security product that monitors your hob/cooker. It performs a dual security function: timer and monitoring for overheating. The Mkomfy has tamper protection.

The Mkomfy R-T is designed for panel installation and consists of two modules: a cooker guard sensor (which goes on the wall over the cooker) and a relay installed on the panel/distribution board.
They talk to each other wirelessly and are uniquely paired at the factory.

It can also control a contactor (RC circuit wired in parallel with coil on contactor recommended).

iep
installatørens produkter

The cooker guard sensor goes on the wall or in the hood over the cooker with wireless communication to the cooker guard relay.

PART NO.	NAME
6251698	Mkomfy R-T 25A
6251661	Mkomfy 2G R-T 25A Chrome
6251662	Mkomfy 2G R-T 25A Black
6251663	Mkomfy 2G R-T 25A White

COOKER GUARD RELAY	
Voltage:	230 VAC +10/-20%
Max. load:	25 A
RF:	868.100 MHz / +5 dBm
Dimensions:	2-module

COOKER GUARD SENSOR	
Battery:	2 x AAA
Battery life:	6 years
RF:	868.100 MHz / +5 dBm
Dimensions:	96x66x28 / 83x32 mm

Other cooker guards 16 A/25 A

Mkomfy 25R P&P

Cooker guard 25 A, Plug & Play

Part No. 6251685

✔ Renovation version
✔ No connection

Mkomfy 16R

Cooker guard 16 A, Wireless

Part No. 6251650

✔ Wireless communication
✔ Double socket, earthed (for tabletop cookers, etc.)

Mkomfy 16C

Cooker guard 16 A, Wired

Part No. 6251660

✔ Wired communication
✔ No batteries
✔ Double socket, earthed (for tabletop cookers, etc.)

Mkomfy 16R P&P

Cooker guard 16 A, Plug & Play

Part No. 6251655

✔ Renovation version
✔ No connection
✔ Double socket, earthed (for tabletop cookers, etc.)

Other cooker guards

Mkomfy 230R
Wireless, 3-phase 230 V, 16 A

Part No. 6251684

Mkomfy 400R
Wireless, 3-phase 400 V, 16 A

Part No. 6251690

Mkomfy for KNX

Part No. 6251677

KNX®

NEW

Mkomfy SD 25R
25 A wireless cooker guard with extra output for signal to alarm, central control system, etc.

Part No. 6251678

NEW

Mkomfy SD 25C
25 A wired cooker guard with extra output for signal to alarm, central control system, etc.

Part No. 6251679

Can't find a function or solution?

Contact us at marked@ctmlyng.no

Mkomfy sensor for 6251680

Product No. 101580

The sensor is installed 40 cm above the hob as standard. If it is installed higher than 50 cm or in the cooker hood, mounting brackets and a locating tool must be used (does not apply to Mkomfy 2G).

6251682	MKP	Locating Tool.	
6251697	Bracket & Locating Kit	Kit with brackets, locating tool & misc.	
6251686	MKB-VS-H	Bracket large, White	Installation in hood/ extractor
6251687	MKB-VS-Si	Bracket large, Silver	
6251693	MKB-VS-Sv	Bracket large, Black	
6251681	MKB-VL-H	Bracket small, White	Installation 50-70 cm above hob
6251683	MKB-VL-Si	Bracket small, Silver	
6251692	MKB-VL-Sv	Bracket small, Black	

ℹ In hood   ℹ On wall

Clean designer sensors for upgrading Mkomfy 25R to 2G
ℹ Requires Mkomfy 25R with serial no. from 100000- / Prod. 1327- (year/week)
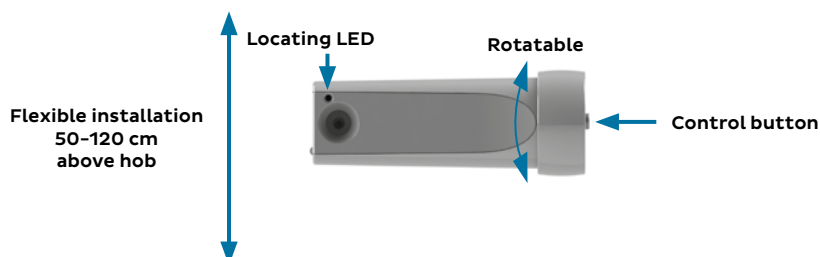
Mkomfy 2G Sensor Chrome   Part No. 6251620
Mkomfy 2G Sensor Black   Part No. 6251621
Mkomfy 2G Sensor White   Part No. 6251622

Locating LED

Rotatable

Flexible installation 50-120 cm above hob

Control button

23

Function overview

For an up-to-date function overview go to **www.ctmlyng.no/komfyrvakt** or scan the QR code.

Black	Chrome	White	16 A	25 A	3-phase	Plug&Play	Installation in hood	Installation on wall	Tamper protection	Timer	Overheating	Wired	Wireless	
		●		●			●	●	●	●	●		●	Mkomfy 25R 6251680
		●		●			●	●	●	●	●	●		Mkomfy 25C 6251670
	●			●			●	●	●	●	●		●	Mkomfy 2G 25R, Chrome 6251610
●				●			●	●	●	●	●		●	Mkomfy 2G 25R, Black 6251611
		●		●			●	●	●	●	●		●	Mkomfy 2G 25R, White 6251612
		●	●				●	●	●	●	●	●		Mkomfy 16C 6251660
		●	●				●	●	●	●	●		●	Mkomfy 16R 6251650
	●			●			●	●	●	●	●		●	Mkomfy 25R-Si 6251689
●				●			●	●	●	●	●		●	Mkomfy 25R-Sv 6251688
	●			●			●	●	●	●	●	●		Mkomfy 25C-Si 6251695
●				●			●	●	●	●	●	●		Mkomfy 25C-Sv 6251694
		●		●		●	●	●	●	●	●		●	Mkomfy 25R P&P 6251685
		●	●			●	●	●	●	●	●		●	Mkomfy 16R P&P 6251655
		●	●		●		●	●	●	●	●		●	Mkomfy 230R 6251684
		●	●		●		●	●	●	●	●	●		Mkomfy 400C 6251691
		●	●		●		●	●	●	●	●		●	Mkomfy 400R 6251690
		●	●		●	●	●	●	●	●	●		●	Mkomfy 400R P&P 6251696

Why choose a CTM Lyng cooker guard?

There is a complete range of Mkomfy cooker guards to choose from!
Do you want wireless, wired or designer?
Are reliability, guarantees and outstanding service a priority?
Do you attach great importance to ease of installation and use?
Do you expect the supplier behind the products to be experienced and reliable in every department?

Then you can safely choose Mkomfy!

The technology behind the product
- Unique relay technology in the socket, for a long life
- The first to bring out new functions, for easier installation, use and reliability
- Suitable for system integration, together with other functions (Water Shut-off, Power Cut-off, etc.)

Target group
- All new homes
- Home renovations
- Elderly, invalids and disabled
- Assistive technology
- Student accommodation
- Housing cooperatives
- Nurseries and schools

Approvals

It goes without saying that Mkomfy cooker guards comply with ALL NEK2014 and EN50615 requirements.

Assistive technology
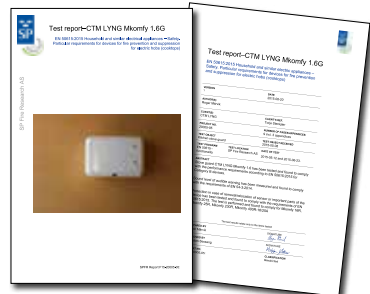
Finally someone who has recognised the opportunities and potential in **Assistive Technology** for the electrical industry...

Power Cut-off

VERN Power Cut-off automatically disconnects the power supply to sockets it is paired with when a fire alarm goes off.

Water Shut-off

VERN Water Shut-off ensures that the whole dwelling, individual rooms and relevant appliances are only supplied with water when needed.

Cooker Guards

The VERN Cooker Guard sensor is a security product that monitors your hob. It performs a dual security function: Timer and monitoring for overheating.

Master Switch On/Off

The water and all power sockets can be turned on or off with a quick press of the VERN Master Switch. Protect the home against damage by turning off the water and appliances while you are asleep or out.

Timer

The VERN Timer controls the power supply to sockets it is paired with, and, where appropriate, the water supply to the dwelling, individual rooms and relevant consumer electronics/appliances.

The system controls power sockets (16 A or 25 A) wirelessly.

Want to know more about VERN?
Phone +47 922 65 596,
email vern@ctmlyng.no or
visit www.vern.eu.

VERN Cooker Guard Sensor Radio	6251630	
VERN Power Cut-off Socket 16 A/25 A	6251613 6251614	
VERN Power Cut-off Socket 16 A/25 A PP	6251616 6251617	
VERN Power Cut-off Mic	6251638	
VERN Water Shut-off Valve	6251633	
VERN Water Shut-off Motion Sensor Radio	6251618	
VERN Water Shut-off Moisture Sensor	6251631	
VERN Timer Radio	6251637	
VERN Master Switch On/Off	6251636	

Water Shut-off

Appliance Shut-off ¾"
Moisture Sensor
Part No. 564 85 01

1 x Valve ½" with ¾" connection
    with rotating nut
1 x Moisture Sensor

Simple appliance shut-off
with moisture sensing.

Appliance Shut-off ¾"
On/Off
Part No. 564 85 05

1 x Valve ½" with ¾" connection
    with rotating nut
1 x On/Off Panel

Simple appliance shut-off,
with on/off switch,
which can be installed anywhere.

Appliance Shut-off ¾" Motion
Part No. 564 85 06

1 x Valve ½" with ¾" connection
    with rotating nut
1 x Motion Sensor

Demand-controlled appliance shut-off.
Operating time can be adjusted on the valve.

Basic Package
Apartment/Chalet ½"
Part No. 564 85 04

1 x Valve ½"
1 x Motion Sensor
2 x Moisture Sensor

Complete water shut-off, designed
for apartments or chalets.

Basic Package Apartment
without water heater ½"
Part No. 564 85 02

2 x Valve ½"
1 x Motion Sensor
2 x Moisture Sensor

Complete water shut-off designed
for apartments and the like
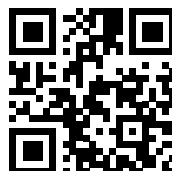that do not have their own water heater.

Basic Package House ¾"
Part No. 564 85 03

1 x Valve ¾"
2 x Motion Sensor
3 x Moisture Sensor

Complete water shut-off,
designed for single-family house.

Aqua Xpress is a flexible water
shut-off system that can be
expanded to accommodate
different needs and security levels.
See the whole product range at
www.aquaxpress.no

Mstikk 16 A R
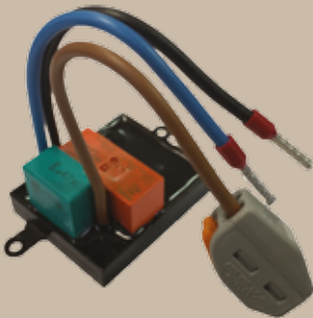**The socket controls the power supply to connected devices.**

Part No. 6251641

Mswitch® Master On/Off
Controls the power supply to sockets or valves it is paired with.

Part No. 6251647

NEW!
Available from August 2017

Microsafe Recessed Relay, Radio
1-Pole 16 A 230 V
Part No. 4150114

✔ Wireless communication 868.100 MHz
✔ Complete with 10 cm cables with ferrules and Wago clamp
✔ Dimensions: 45.5 x 36.5 x 20.5 mm

Motion sensor with dimmer

MBD AutoLight DimLed

The optimum solution for homes, smaller rooms, conference rooms, offices, etc., for energy savings and convenience.

SAVES
SWITCH-ON LEVEL
UNIQUE FUNCTION!

MICROSAFE®

QUALITY - 5 YEARS - GUARANTEED
5

Microsafe® MDimLed MultiDim Dimmer

The MDimLed can dim most dimmable types of light/lamp, from the lowest to the highest level. Light level indicated on display, from 1-99. The light level is controlled by means of the ➕ and ➖ buttons. The MDimLed has a 2-pole break when switched off/on and remembers previously set level when switched on. 'AutoHertz' means that the dimmer itself detects whether it is connected to 230 V at 50 or 60 Hz. Dims most load types. See load table below.

Light source	Power
Incandescent bulbs and 230 V halogen	5–315 W
12 V halogen with electronic transformer, trailing-edge dimming	20–315 W
12 V halogen with iron-core transformer, leading-edge dimming	20–315 VA
Dimmable LED light sources, trailing-edge dimming (Suitable for most LED drivers)	1–250 W
Dimmable LED light sources, leading-edge dimming	1–250 W
Dimmable energy-saving bulbs, trailing-edge dimming	5–250 W
Dimmable energy-saving bulbs, leading-edge dimming	5–250 W

PART NO.	NAME	
1418267	MDimLed	MultiDim

TECHNICAL DATA

Physical dimensions:	Conforms to RS16 24 mm mounting depth	Outputs:	2-pole break, 315 VA.
Voltage:	230 VAC +10/-20%	Light level:	1-99
Max. load:	See load table	Min. load:	See load table
Protection:	Electronic thermal protection (OL on display). Mechanical thermal protection. Electronic short-circuit protection.		

FEATURES

✔ All dimmable loads.
✔ Simple programming of max./min. level and lowest switch-on level.
✔ 2-pole break and 'remembers' previously set level when switched on.
✔ Display shows brightness 1-99.
✔ AutoHertz 50/60 Hz – perfect for offshore etc.
✔ Buttons for adjusting brightness up/down and on/off.
✔ Electronic monitoring of operating temperature (safety).
✔ Conforms to RS-16 standard.
✔ Mounting depth just 24 mm.
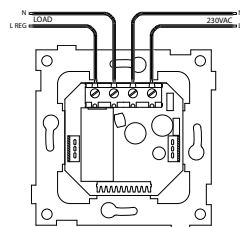✔ Autoscaling of regulating level.

PARAMETER MENU

Menu > Press – and ON/OFF simultaneously
Scroll > Press ON/OFF button
Select > Press +/-
Reset > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	DEFAULT
P0	Max. level setting	99
P1	Min. level setting	1
P2*	Switch-on level setting	20
P3	1 = trailing-edge dimming 0 = leading-edge dimming	1
P9	Show version number	
Pb	Display brightness 0-50 (0 = off, 50 = bright)	20

*If you have dimmed to a level below P2, it will come on at P2 for 2 sec (to ensure it turns on properly) before dimming to the previously set level.

WIRING DIAGRAM

MDimLed BlueLine

Black

Alu

Ex

RS

MICROSAFE®

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Microsafe® MDimLed BlueLine MultiDim Dimmer

The MDimLed can dim most dimmable types of light/lamp, from the lowest to the highest level. Light level indicated on display, from 1–99. Light level regulated with control buttons. The MDimLed has a 2-pole break when switched off/on and 'remembers' previously set level when switched on. 'AutoHertz' means that the dimmer itself detects whether it is connected to 230 V at 50 or 60 Hz. Dims most load types. See load table below.

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Light source	Power
Incandescent bulbs and 230 V halogen	5–315 W
12 V halogen with electronic transformer, trailing-edge dimming	20–315 W
12 V halogen with iron-core transformer, leading-edge dimming	20–315 VA
Dimmable LED light sources, trailing-edge dimming (Suitable for most LED drivers)	1–250 W
Dimmable LED light sources, leading-edge dimming	1–250 W
Dimmable energy-saving bulbs, trailing-edge dimming	5–250 W
Dimmable energy-saving bulbs, leading-edge dimming	5–250 W

PART NO.	NAME	BUTTONS	FRONT
1418216	MDimLed BlueLine Ex	White	White
1418217	MDimLed BlueLine RS	White	Polar white
1418218	MDimLed BlueLine Alu	Grey	Aluminium
1418219	MDimLed BlueLine Black	Black	Black

TECHNICAL DATA

Physical dimensions:	Conforms to RS16 24 mm mounting depth	Outputs:	2-pole break, 315 VA.
Voltage:	230 VAC +10/-20%	Light level:	1–99
Max. load:	See load table	Min. load:	See load table
Protection:	Electronic thermal protection (OL on display). Mechanical thermal protection. Electronic short-circuit protection.		

FEATURES

✔ All dimmable loads.

✔ Simple programming of max./min.level and lowest switch-on level.

✔ 2-pole break and 'remembers' previously set level when switched on.

✔ Display shows brightness 1-99.

✔ AutoHertz 50/60 Hz - perfect for offshore etc.

✔ Buttons for adjusting brightness up/down and on/off.

✔ Electronic monitoring of operating temperature (safety).

✔ Conforms to RS-16 standard.

✔ Mounting depth just 24 mm.
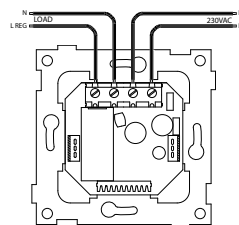
✔ Autoscaling of regulating level.

PARAMETER MENU

Menu   > Press – and ON/OFF simultaneously
Scroll > Press ON/OFF button
Select > Press +/-
Reset   > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	DEFAULT
P0	Max. level setting	99
P1	Min. level setting	1
P2*	Switch-on level setting	20
P3	1 = trailing-edge dimming 0 = leading-edge dimming	1
P9	Show version number	
Pb	Display brightness 0-50 (0 = off, 50 = bright)	20

*If you have dimmed to a level below P2, it will come on at P2 for 2 sec (to ensure it turns on properly) before dimming to the previously set level.

WIRING DIAGRAM

MBD AutoLight DimLed

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5

✔ OFF/AUTO/DIM button

✔ Turn-off time 1 min. to 2 hours

✔ Ceiling: 360° detection

✔ Wall: 100°x90° angle of coverage

✔ Up to 12-metre range
(ceiling Ø6.5 m)

✔ Construction and colour conform
to RS-16 standard

✔ Mounting depth just 24 mm

✔ Also available in lux version
with light meter

✔ Built-in thermal protection
at 75°C (internal temp.)

Microsafe® MBD AL DimLed/Lux Motion Detector

The MBD AutoLight DimLed (1418222) and DimLedLux (1418223) are in reality complete control systems for lighting, in various rooms.

The DimLed offers simple light control with automatic switch-on at the previously set light level. The combination of a motion detector with a flexible turn-off time and an LED dimmer is the optimum solution for small rooms, conference rooms, offices, etc., and offers excellent energy efficiency.

Adding the Lux sensor function of the DimLedLux provides the perfect solution for lounges, kitchens, conference rooms, classrooms, etc., which often have a lot of natural light, so ceiling lighting is not needed for parts of the day.

Try the MBD AL DimLed and DimLedLux! We know you won't be disappointed!

ADJUSTMENT OF TURN-OFF TIME
See instructions for more information

SWITCH POSITION	TIME A	TIME B
0	1	1
1	10	1
2	30	1
3	120	1
4	1	30
5	10	30
6	30	30
7	120	30
8	1	120
9	10	120
A	30	120
B	120	120
C	1	Infinity
D	10	Infinity
E	30	Infinity
F	120	Infinity

WIRING DIAGRAM

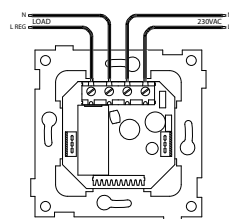| PART NO.	NAME
1418222	MBD AutoLight DimLed
1418223	MBD AutoLight DimLed Lux

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Range:	Up to 12 metres
Voltage:	230 VAC +10/-20%	Output:	2-pole break, 315 VA Trailing edge dimming (GLE)
Turn-off time:	1 min. - 2 hours	Angle of coverage:	H100° x W90°
Light level:	1-99	Det. zones:	92

MBD DimLed BlueLine

Black

Alu

Ex

RS

MICROSAFE®

QUALITY - 5 YEARS - GUARANTEED
5

FEATURES

✔ OFF/AUTO/DIM button

✔ Turn-off time 1 min. to 2 hours

✔ Ceiling: 360° detection.

✔ Wall: 100°x90° angle of coverage

✔ Approx. 12-metre range (ceiling Ø6.5 m)

✔ Construction and colour conform to RS-16 standard

✔ Mounting depth just 24 mm

✔ Built-in thermal protection at 75°C (internal temp.)

Microsafe® MBD DimLed BlueLine Motion Detector

The MBD DimLed is in reality a complete control system for lighting, in various rooms.

The DimLed offers simple light control with automatic switch-on at the previously set light level. The combination of a motion detector with a flexible turn-off time and an LED dimmer is the optimum solution for small rooms, conference rooms, offices, etc., and offers excellent energy efficiency.

Try the MBD AL DimLed! We know you won't be disappointed!

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PART NO.	NAME	BUTTONS	FRONT
1418224	MBD DimLed BlueLine Ex	White	White
1418225	MBD DimLed BlueLine RS	White	Polar white
1418226	MBD DimLed BlueLine Alu	Grey	Aluminium
1418227	MBD DimLed BlueLine Black	Black	Black

ADJUSTMENT OF TURN-OFF TIME
See instructions for more information

SWITCH POSITION	TIME A	TIME B
0	1	1
1	10	1
2	30	1
3	120	1
4	1	30
5	10	30
6	30	30
7	120	30
8	1	120
9	10	120
A	30	120
B	120	120
C	1	Infinity
D	10	Infinity
E	30	Infinity
F	120	Infinity

WIRING DIAGRAM

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Range:	Approx. 12 metres
Voltage:	230 VAC +10/-20%	Output:	2-pole break, 315 VA Trailing edge dimming (GLE)
Turn-off time:	1 min. - 2 hours	Angle of coverage:	H100° x W90°
Light level:	1 - 99	Det. zones:	92

MICROSAFE®

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Microsafe® MBD 10/16, Motion Detector

The motion detector (MBD) is designed for automatic light control in rooms that are used sporadically, e.g. classrooms, smoking rooms, gyms, sports halls, stockrooms, laundry rooms, corridors, bathrooms, stores, etc., for greater convenience and to save electricity.

The MBD has a built-in timer that can be adjusted from 2 seconds to 2 hours. The MBD can be used to advantage in combination with lights, extraction, heating, etc., and saves a lot of electricity in such contexts.

The desired turn-off time (delay) can be set on the back of the MBD by turning a rotary switch between 0 and F. The LED on the front indicates movement (activity).

iep
metalapparat produkter

SETTINGS TABLE

SWITCH POSITION	TURN-OFF TIME
0	2 sec.
1	10 sec.
2	30 sec.
3	1 min.
4	2 min.
5	5 min.
6	7 min.
7	10 min.
8	12 min.
9	15 min.
A	20 min.
B	30 min.
C	40 min.
D	50 min.
E	1 hour
F	2 hours

LOAD DIAGRAM

PART NO.	NAME	
1418254	MBD16	16A/3600VA 1P
1418255	MBD10	16A/2300VA 2P

TECHNICAL DATA

Physical dimensions:	Conforms to RS16	Range:	Approx. 12 metres
Voltage:	230 VAC +10/-20%	Angle of coverage	360°
Turn-off time:	2 sec. - 2 hours	Angle of coverage:	H100° x W90°
		Det. zones:	92

MBD BlueLine

Black

Alu

Ex

RS

MICROSAFE®

QUALITY - 7 YEARS - GUARANTEED
7

Microsafe® MBD BlueLine, Motion Detector

The motion detector (MBD) is designed for automatic light control in rooms that are used sporadically, e.g. classrooms, smoking rooms, gyms, sports halls, stockrooms, laundry rooms, corridors, bathrooms, stores, etc., for greater convenience and to save electricity.

The MBD has a built-in timer that can be adjusted from 2 seconds to 2 hours. The MBD can be used to advantage in combination with lights, extraction, heating, etc., and saves a lot of electricity in such contexts.

The desired turn-off time (delay) can be set on the back of the MBD by turning a rotary switch between 0 and F. The LED on the front indicates movement (activity).

iep

SETTINGS TABLE

SWITCH POSITION	TURN-OFF TIME
0	2 sec.
1	10 sec.
2	30 sec.
3	1 min.
4	2 min.
5	5 min.
6	7 min.
7	10 min.
8	12 min.
9	15 min.
A	20 min.
B	30 min.
C	40 min.
D	50 min.
E	1 hour
F	2 hours

PART NO.	NAME	BUTTONS	FRONT
1418272	MBD BlueLine Ex	White	White
1418278	MBD BlueLine RS	White	Polar white
1418279	MBD BlueLine Alu	Grey	Aluminium
1418280	MBD BlueLine Black	Black	Black

WIRING DIAGRAM

Load   230VAC   L
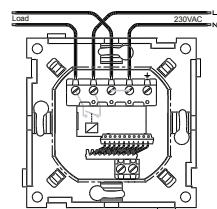N

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Range:	Approx. 12 metres
Voltage:	230 VAC +10/-20%	Angle of coverage:	360°
Load:	16A/3600VA 1P	Angle of coverage:	H100° x W90°
Turn-off time:	2 sec. - 2 hours	Det. zones:	92

MBD AutoLight

MICROSAFE®

QUALITY - 7 YEARS - GUARANTEED
7

Microsafe® MBD AutoLight S/SW (Lux) Motion Detector

The motion sensor (MBD AL) is designed for automatic light control in rooms that are used sporadically, e.g. classrooms, meeting rooms, gyms, sports halls, stockrooms, laundry rooms, corridors, bathrooms, stores, etc., for greater convenience and to save electricity.

The MBD AL can be used to advantage in combination with lights, extraction, heating, etc., and saves a lot of electricity in such contexts. MDB offers a saving of up to 70% compared with a standard switch.

The MBD AL has an ON/OFF/AUTO button. In AUTO, the light only comes on if there is movement and stays on for 2 min., for example, after the last detected movement (adjustable from 2 sec. - 2 hours, see table on right).

The Lux version also has a light sensor, so the light will not come on if there is light already (adjustable from 50-500 lux).

ADJUSTMENT OF TURN-OFF TIME

SWITCH POSITION	TURN-OFF TIME
0	2 sec.
1	10 sec.
2	30 sec.
3	1 min.
4	2 min.
5	5 min.
6	7 min.
7	10 min.
8	12 min.
9	15 min.
A	20 min.
B	30 min.
C	40 min.
D	50 min.
E	1 hour
F	2 hours

WIRING DIAGRAM

PART NO.	NAME	
1418274	MBD AutoLight S	3600VA 1P
1418275	MBD AutoLight SW	2300VA 2P
1418276	MBD AutoLight S Lux	3600 VA 1P
1418277	MBD AutoLight SW Lux	2300 VA 2P

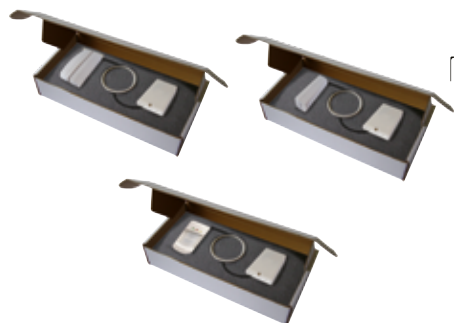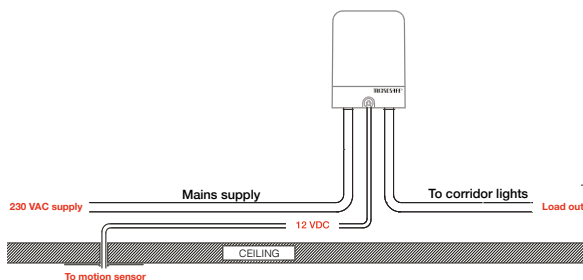| TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Range:	Approx. 12 metres
Voltage:	230 VAC +10/-20%	Angle of coverage:	360°
Turn-off time:	2 sec. - 2 hours	Angle of coverage:	H100° x W90°
Lux sensor:	50-500 lux	Det. zones:	92
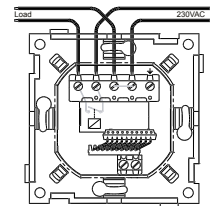
Automatic lighting control for long areas

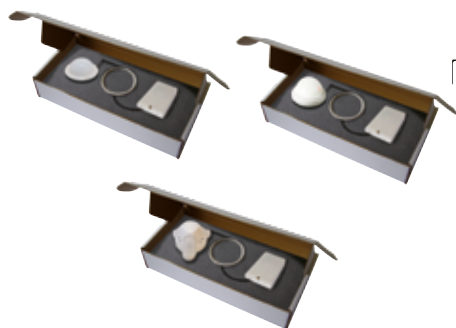**MICROSAFE®**

QUALITY - 7 YEARS - GUARANTEED
7

Did you know that renovating some corridors in a hotel or school, for example, will pay for itself in a few months?

TIPS! Up to 6 different sensors can be connected to the same relay to cover all area types.

See www.ctmlyng.no for the full range of sensors.

Microsafe® Corridor Relay For long areas

The corridor relay package comes complete with one or more sensors on brackets, ready connected to a relay with a choice of cable lengths.

The combination is ready to use, with our familiar relay technology in Microsafe® products and quality sensors.

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MTH
PAYBACK
TIME

230 VAC supply   Mains supply   To corridor lights   Load out
                          12 VDC
                    CEILING
To motion sensor

PART NO.	NAME	
1403890	Corridor relay 40 m	1 middle bracket with 2 x 20 m sensor
1403891	Corridor relay 20 m	1 end bracket with 20 m sensor
1403892	Corridor relay 2x20 m	2 end brackets with 20 m sensors
1418295	Corridor relay 20 m IP65	1 sensor with 20x6 m coverage

TECHNICAL DATA			
Voltage:	230 VAC +10/-20%	Max. load:	16 A
Internal power supply	12 VDC	Turn-off time:	1 sec – 5 hours

Automatic lighting control for large areas

MICROSAFE®

FEATURES

✔ Complete with pre-connected sensor and internal wiring to corridor relay.

✔ Several sensors can be used with the same relay.

✔ Full flexibility with fast, simple installation.

✔ 1 sec. - 5 hours turn-off time.

Did you know that renovating some corridors in a hotel or school, for example, will pay for itself in a few months?

TIPS! Up to 6 different sensors can be connected to the same relay to cover all area types.
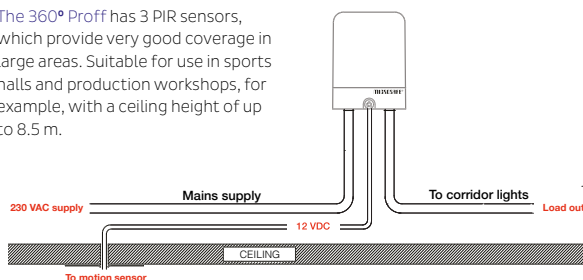
See www.ctmlyng.no for the full range of sensors.

Microsafe® Corridor Relay 360°
For large areas

The corridor relay package comes complete with one or more sensors, ready connected to a relay with a choice of cable lengths.

The combination is ready to use, with our familiar relay technology in Microsafe® products and quality sensors.

The 360° Proff has 3 PIR sensors, which provide very good coverage in large areas. Suitable for use in sports halls and production workshops, for example, with a ceiling height of up to 8.5 m.

PAYBACK MTH TIME

| 230 VAC supply | Mains supply | To corridor lights | Load out |

12 VDC

CEILING

To motion sensor

PART NO.	NAME
1403899	Corridor relay 12 m 360°
1403893	Corridor relay 18 m 360°
1403889	Corridor relay 18 m 360° PROFF

TECHNICAL DATA			
Voltage:	230 VAC +10/-20%	Max. load:	16 A
Internal power supply	12 VDC	Turn-off time:	1 sec–5 hours

Components

Corridor relay
**Without sensor,
for wall/ceiling mounting**

Part No. 1403897

Corridor relay
**Without sensor,
2-module for panel installation**

Part No. 1403882

Magnetic switch
**Complete set
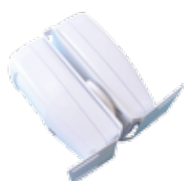of magnetic switches**

Part No. 1403878

Unattached sensors

20 m
1 x 20 m on end bracket
Part No. 1403898

40 m
2 x 20 m on middle bracket
Part No. 1403883

12 m 360°
Ceiling-mounted, 12 m 360°
Part No. 1403885

18 m 360°
Ceiling-mounted, 18x18 m 360°
Part No. 1403887

18 m 360° PROFF
Ceiling-mounted, 18 m 360°
Part No. 1403884

MBD R Floating

Motion sensor, extra output

16 A/3600 VA 1P Part No. 1403871

✔ Same functions as MBD 16

➕ Extra output for controlling fan, central control system, etc.

MSB16

Photocell

16 A/3600 VA 1P Part No. 1418252

✔ Simple to install and use

✔ Energy-saving function (4 hours at night)

✔ Simple programming of light level (press cover for 3 sec.)

✔ Switch for turning off at night

✔ Test function (press cover for 1 sec.)

✔ Recess at bottom (back) for concealed wall mounting.

✔ 16 A, all lamp types

✔ RC conductor integrated on PCB

MDIM 420

**Leading-edge dimming (GL) 420 VA,
2-pole break**
Part No. 1418262

✔ Conforms to RS 16 standard

✔ Leading-edge dimming for hybrid transformers,
incandescent bulbs, fluorescent lights, iron-core transformers, etc.

MDIM 1–10 V

Part No. 1418260

✔ For LEDs and other 1-10 V ballasts

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Renovation motion sensor

MICROSAFE®

QUALITY - 7 YEARS - GUARANTEED
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FEATURES

✔ Energy-saving product / category 1

✔ Prefabricated = Fast installation

✔ Installation time approx. 7 minutes.

✔ 360° detection.

✔ 100°x60° angle of coverage.

✔ Approx. 8-metre range.

✔ Easy to connect between existing light source.

✔ LED on front indicates movement.

✔ Construction and colour conform to RS-16 standard.

✔ Choice of cable lengths.

✔ No screws on front of detector.

Microsafe® MBD Prefabricated Motion Detector

The motion detector (MBD) is designed for automatic light control in rooms that are used sporadically, e.g. classrooms, smoking rooms, gyms, sports halls, stockrooms, laundry rooms, corridors, bathrooms, stores, etc., in order to save electricity.

The MBD has a built-in timer that can be adjusted from 2 seconds to 2 hours. The MBD can be used to advantage in combination with lights, extraction, heating, etc., and saves a lot of electricity in such contexts.

The desired turn-off time (delay) can be set on the back of the MBD by turning a rotary switch between 0 and F. The LED on the front indicates movement (activity).

The MDB Prefabricated comes with your choice of a 1.5- or 3-metre cable and 3 or 5 socket outlets.

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SETTINGS TABLE

SWITCH POSITION	TURN-OFF TIME
0	2 sec.
1	10 sec.
2	30 sec.
3	1 min.
4	2 min.
5	5 min.
6	7 min.
7	10 min.
8	12 min.
9	15 min.
A	20 min.
B	30 min.
C	40 min.
D	50 min.
E	1 hour
F	2 hours

TIPS MBD, energy-saving product no. 1 – offers up to 70% saving compared with a standard switch.

PART NO.	NAME	
1418269	MBD Prefab 16	16A/3600VA 1P
1418286	MBD Prefab 10	16A/2300VA 2P

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Range:	Up to 12 metres
Voltage:	230 VAC +10/-20%	Angle of coverage:	360°
Max. load:	2,300/3,600 VA	Angle of coverage:	H100° x W90°
Fuse:	16 A	Det. zones:	92

NEW!
**Available from
May 2017**

Single-phase dimmer

MDimLed Micro

**Trailing-/leading-edge dimming, universal,
4-250 W, pulse-controlled
Part No. 1403888**

✔ Just 14 mm deep
✔ Preprogrammed for various LEDs and other lamps
✔ Screwless terminals
✔ No neutral (2-wire)

TIPS!

Load table for LED dimming
Get an overview of the lamps
tested with our LED dimmers and
how well they work, and get tips
on recommended settings, etc.
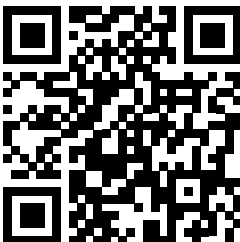
Go to
lasttabell.ctmlyng.no
or scan the QR code.

Timer Set 16 A

MICROSAFE®

Microsafe® MTimer Timer Set Countdown Timer, prefabricated

The MTime countdown timer shows the remaining time counting down on the digital display. The time interval can be adjusted with the + and - buttons. MTime remembers the last time setting and has a setting for saving max. time.

MTime copes with a 16 A load and is suitable for safety sockets for coffee makers, etc. MTime also has a separate parameter menu for setting display dimming and max. time.

Can be used together with ELKO surface-mounting box.

Available with two or three sockets on request.

PARAMETER MENU

Menu	> Press – and ON/OFF simultaneously
Scroll	> Press ON/OFF button
Select	> Press +/–
Reset	> Press ON/OFF, + and – simultaneously

MENU	FUNCTION	VALUE
P0	Max. time setting	default 30 min.
P1	Display brightness	0–50

WIRING DIAGRAM

Fig. 1

PART NO.	NAME	
1403879	Mtimer timer set	16A/3600VA 1P

TECHNICAL DATA

|			
Physical dimensions:	Conforms to RS16	Max. load:	3600 VA
Voltage:	230 VAC +10/-20%	Fuse:	16 A
Outputs:	Can be connected to pulse switch to start countdown (Fig. 1).		
Time setting:	0–59 min., 1.0–9.5 hours. Max. time can be saved (default 30 min.).		

MICROSAFE®

✔ Digital timer.

✔ Simple saving of desired max. time.

✔ Display showing countdown of remaining time (TIMER).

✔ ON time set by button.

✔ Times over 59 min. are displayed in hours with a decimal point (90 min. = 1.5 hours).

✔ Hold button in for quick adjustment.

✔ Dim function for display light (P1).
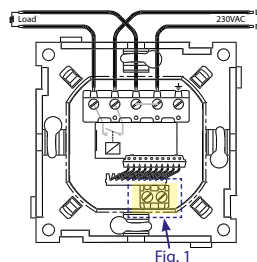
Microsafe® MTime Countdown Timer

The MTime countdown timer shows the remaining time counting down on the digital display. The time interval can be adjusted with the + and - buttons. MTime remembers the last time setting and has a setting for saving max. time.

MTime copes with a 16 A load and is suitable for safety sockets for coffee makers, etc. MTime also has a separate parameter menu for setting display dimming and max. time.

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PARAMETER MENU

Menu   > Press – and ON/OFF simultaneously
Scroll   > Press ON/OFF button
Select   > Press +/–
Reset   > Press ON/OFF, + and – simultaneously

MENU	FUNCTION	VALUE
P0	Max. time setting	default 30 min.
P1	Display brightness	0–50

WIRING DIAGRAM

Fig. 1

PART NO.	NAME	
1403867	MTime	16A/3600VA 1P
1403866	MTime W	16A/2300VA 2P

TECHNICAL DATA			
Physical dimensions:	Conforms to RS16	Max. load:	2,300/3,600 VA
Voltage:	230 VAC +10/-20%	Fuse:	16 A
Outputs:	Can be connected to pulse switch to start countdown (Fig. 1).		
Time setting:	0–59 min., 1.0–9.5 hours. Max. time can be saved (default 30 min.).		
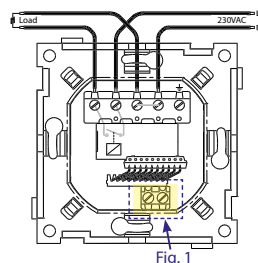
Other products

Wattmeter
RS16

Part No. 1418294

✔ Requires meter with s0 standard
✔ 2-module log unit for readings

✔ Conforms to RS 16 standard
✔ Displays actual usage
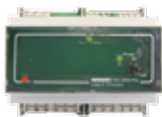
✔ History
✔ Can display outdoor temp.

Energy Savings Logger
Logs times and pulses

Item No. 800300

✔ Measures number of switch-ons and hours of operation
✔ Provides a great basis for calculating impact of installed measures

✔ Zero with the push of a button.
✔ Connect in parallel with load to be monitored

All lights on in event of alarm
Automatic lighting control in event of alarm

Part No. 6251651

✔ NO or NC switching from alarm
✔ Pulse input for external switch panel

✔ Button for testing function without activating alarm
✔ 6 channels for connection to contactors

1-pole

CENTROL®

FEATURES

✔ The Centrol® relays do not take up much space and replace contactors for 16 A.

✔ The relays do not give off much heat and have a self-extinguishing enclosure.

✔ The relays come with a snap mounting for rail installation and an off/off indicator LED.

QUALITY - 7 YEARS - GUARANTEED

Centrol® Relay 1-pole

CENTROL® relays are by far the best in the world. They are patented in most Western countries, and switch all loads up to rated current, sparklessly and with virtually no acoustic or mechanical noise.

The load is switched at zero crossing, giving the relays a superior life of 11 million switch operations.

Tips Globally patented relay technology that does not generate much heat or noise and switches most loads.

NB Take the starting current into account if the relay is to control iron-core transformers (max. 140 A/10 mS).

WIRING DIAGRAM

24 V

A1 A2

MICRO SAFE RELAY

1 2

230V

PART NO.	NAME	PROD. NO.
4150107	Centrol 1-pole 16 A relay	SSCR 024125016-5

TECHNICAL DATA			
Max. load/peak:	16 A/140 A	Current draw:	30 mA
Operating voltage:	24 V AC/DC	Contact voltage:	90-250 VAC
Life:	11m switch ops	Min. contact current:	100 mA
Switching frequency:	1 second	Overvoltage protection:	Yes
Thermal protection:	155ºC	H/W/D:	90x18x58 mm
Max. residual voltage:	3 V		
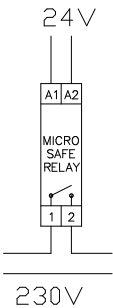
Relay 2-pole 16 A 24 V

Control voltage: **24 VAC/VDC**
Load: **230 VAC/16 A**
Part No. 4150101

Relay 1-pole 24 A 24 V

Control voltage: **24 VAC/VDC**
Load: **230 VAC/24 A**
Part No. 4150106

Relay 1/2-pole 16 A 230 V

Control voltage: **230 VAC**
Load: **230 VAC/16 A**
Part No. 4150105

Renovation relay 1/2-pole 16 A 24 V

Control voltage: **24 VAC/VDC**
Load: **230 VAC/16 A**
Part No. 4150116

Renovation relay 1/2-pole 16 A 230 V

Control voltage: **230 VAC**
Load: **230 VAC/16 A**
Part No. 4150118

Signal relay 5 A

Control voltage: **24 VAC/VDC**
Load: **230 VAC/5 A**
Part No. 4150103

Pulse/Control Panel – General info

Universal control panel with pulse switches and feedback lights, for applications such as lighting and heating control.

Features:
- Simple to install (pluggable terminal strips).
- Text box for function description.
- Flexible panel ranges with lots of applications.
- Can be installed in surface-mounting wall frame or recessed box.

Suitable for, among other things:
- All Centrol dimmers/relays/thermostats (24 VAC).
- PLCs (24 VDC).
- Door locking systems (12 VDC).

Available in various designs and for various applications:
- **RS16**: Low-cost plastic panel that fits in standard installation box (Ø70 mm).
- **Celine**: Metal designer panel that fits in standard installation box (Ø70 mm). Perfect for modern homes!
- **Industry**: Metal panel for offices and industry.
- **IP66***: Waterproof/dustproof panel.

Additional services:
- The panels can be supplied with labelling/text already applied.
- Can be supplied with stickers bearing standard texts, ready for affixing to the various switches.
- Custom colours for buttons (white/grey/black) and LEDs (blue, green, amber, etc.).
- We also fully customise panels to customer specifications. Just ask!

Celine 3 custom panel

*See our website for all variants and accessories
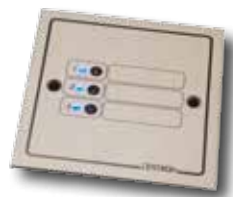
Wiring example C3P
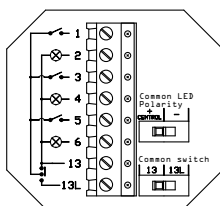
Technical data:
Voltage: 12/24 V AC/DC
Load per switch: 50 mA
Current per LED: 8 mA

50

Standard Pulse/Control Panel

RS16 Switch Panel

C1P	1 channel	Part No. 1418103
C2P	2 channels	Part No. 1418104
C3P	3 channels	Part No. 1418105
C4P	4 channels	Part No. 1418220

Celine Switch Panel

Celine 3	White/Alu	Part No. 1403830/1403831
Celine 5	White/Alu	Part No. 1403836/1403837
Celine 6	White/Alu	Part No. 1403839/1403840
Celine 8	White/Alu	Part No. 1403842/1403843
Celine 12	White/Alu	Part No. 1403848/1403849

ℹ Celine 3-5   84 x 84mm
Celine 6-12   155 x 84mm

Industry Switch Panel

C6H/C6A (White/Alu)	Part No. 1418127/1418128
C8H/C8A (White/Alu)	Part No. 1418132/1418133
C12H/C12A (White/Alu)	Part No. 1418139/1418140

ℹ C6   100 x 135mm
C8   109 x 161mm
C12   238 x 119mm

Dimmers

NEW!

CENTROL®

QUALITY – 5 YEARS – GUARANTEED
5

CDimLed 400
400 VA Dimmer

The CDimLed can dim most dimmable light/lamp types, has a 2-pole break when switched off/on and remembers previously set level when switched on.

The dimmer can be operated in several ways: via the pulse inputs (pulse switch, Centrol panel, etc.), via the 0-10 V input (potentiometer, 0-10 V dimmer, PLC, etc.) and with the buttons on the front of the dimmer.

The dimmer also has override inputs for on and off, by signal from Centrol system, central control system, Astro timer, etc.
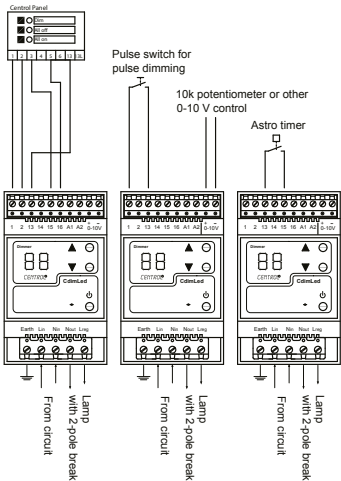
Light source	Power
Incandescent bulbs and 230 V halogen	5–400 W
12 V halogen with electronic transformer, trailing-edge dimming	20–400 W
12 V halogen with iron-core transformer, leading-edge dimming	20–400 VA
Dimmable Led light sources, trailing-edge dimming (Suitable for most LED drivers)	1–320 W
Dimmable LED light sources, leading-edge dimming	1–320 W
Dimmable energy-saving bulbs, trailing-edge dimming	5–320 W
Dimmable energy-saving bulbs, leading-edge dimming	5–320 W

PART NO.	NAME	MOUNTING
1418229	CDimLed 400	3-module for DIN35

TECHNICAL DATA			
Physical dimensions:	53 x 90 x 58 mm (WxHxD)	Power:	400 VA (max. load 80% if reactive load)
Operating voltage:	230 VAC	Current draw:	50 mA
Protection:	Electronic	Material:	Self-extinguishing

WIRING EXAMPLE

Control Panel

Pulse switch for pulse dimming

10k potentiometer or other 0-10 V control

Astro timer

CDIM700

700 VA, 3-module, leading-edge dimming
Inputs: pulse and 1–10 V
Part No. 1418232

CDIM110 / CDIM116

10 A/16 A, leading-edge dimming
Pulse input
Part No. 1418240/1418243

CDIMU10 / CDIMU16

10 A/16 A, leading-edge dimming
1–10 V input
Part No. 1418242/1418244

CDIMTS03 / CDIMTS05

700 VA/1200 VA, trailing-edge dimming
Pulse input
Part No. 1418234/1418237

CDIMUTS05

1200 VA, trailing-edge dimming
1–10 V input
Part No. 1418238

CDIMSTS05

Slave, 1200 VA, trailing-edge dimming
Bus slave signal + –
Part No. 1418239

CDIMAS

1–10 V dimmer
Pulse input
Part No. 1418247

CDIMSCE

Programmable dimmer, 1–10 V, 5 scenes
Pulse input
Part No. 1418248

PRD6/PRD12

Relay driver with 6/12 channels, 1/5 scenes
24 V
Part No. 1418206/1418207

Cetime

Delay timer, 1 channel
24 V
Part No. 1418205

Compete set – 6 channels

CIRD6

IR decoder, 6 channels

Part No. 1418201

CIM/RS16

IR receiver, RS16

Part No. 1418180

CIS6 Pro

IR remote control, laser–cut aluminium

Part No. 1418167

CLF40VA

Control current transformer 1.67 A/40 VA, DIN 35

Part No. 1418200

CTR/RS16

Thermostat/Regulator, 24 VAC

Part No. 1418270

CTRNS/RS16

Thermostat/Regulator with nighttime temperature drop, 24 VAC

Part No. 1418271

Celine CTRNS A

Thermostat/Regulator with nighttime temperature drop, 24 VAC, Aluminium

Part No. 1403861

Celine CTRNS H

Thermostat/Regulator with nighttime temperature drop, 24 VAC, White aluminium

Part No. 1403860

CTR–T

24 VAC Panel thermostat/regulator

Part No. 5450320

The products are stocked by your wholesaler.

Ask for our Norwegian-made quality products!

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