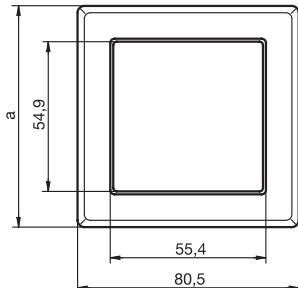
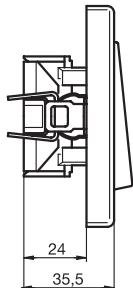


FLUSH-MOUNTED RANGES

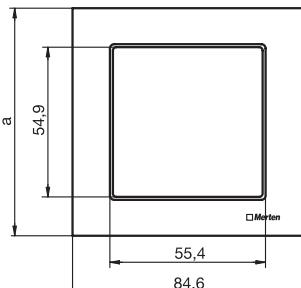
Dimensions of System M flush-mounted ranges



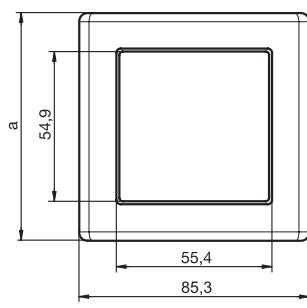
M-SMART rocker switch



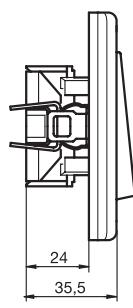
4-ARC rocker switch



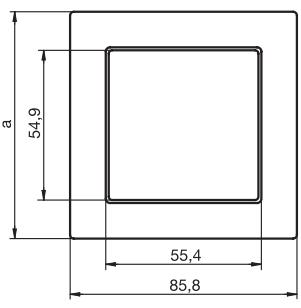
A technical drawing showing a vertical pipe assembly. The total height of the assembly is indicated as 35.5. A horizontal dimension line with arrows at the bottom indicates a height of 24 from a reference line to the top of a horizontal pipe segment.



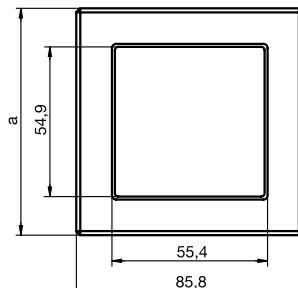
M-STAR rocker switch



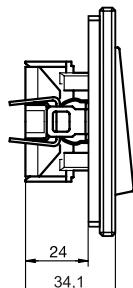
W-PLAN rocker switch



A technical line drawing of a door handle assembly. It shows a rectangular base plate with a central vertical handle. A horizontal slot is visible on the left side. Two dimensions are marked: a width of 24 is shown between the left edge of the base plate and the vertical handle, and a total height of 35,5 is shown from the bottom of the base plate to the top of the handle.



M-PLAN real glass rocker switch

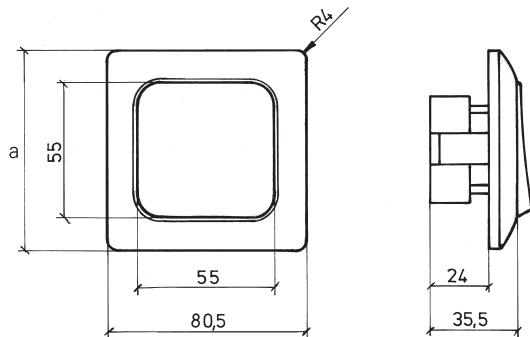


M-PLAN II rocker switch

| System M | 1-gang | 2-gang | 3-gang | 4-gang | 5-gang |
|------------------------------|------------------|--------------------|--------------------|---------|---------|
| M-SMART | a=80.5 | a=151.7 | a=222.9 | a=294.1 | a=365.3 |
| M-ARC | a=83.4 | a=154.6 | a=225.8 | a=297 | a=368.2 |
| M-STAR | a=83.9 | a=155 | a=226.2 | | |
| M-PLAN | a=83.4 | a=154.6 | a=225.8 | a=297 | a=368.2 |
| M-PLAN II | a=83.4 b=80.0 | a=154.6 b=151.2 | a=225.8 b=222.4 | | |
| M-PLAN real glass | a=85.8 | a=157.0 | a=228.2 | | |

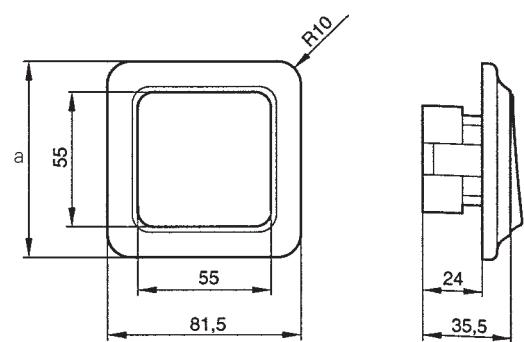
| System M IP44 | 1-gang | 2-gang | 3-gang | 4-gang | 5-gang |
|----------------|--------|---------|---------|---------|---------|
| M-SMART | a=80.5 | a=151.7 | a=222.9 | a=294.1 | a=365.3 |
| M-ARC | a=83.4 | a=154.6 | a=225.8 | a=297 | a=368.2 |
| M-PLAN | a=83.4 | a=154.6 | a=225.8 | a=297 | a=368.2 |

Dimensions of System Basis flush-mounted ranges



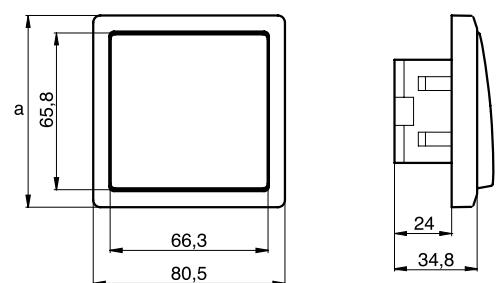
M1 rocker switch

| System Basis | 1-gang | 2-gang | 3-gang | 4-gang | 5-gang |
|--------------|--------|---------|---------|---------|---------|
| M1 | a=80.5 | a=151.7 | a=222.9 | a=294.1 | a=365.3 |
| ATELIER | a=81.5 | a=152.5 | a=223.5 | a=294.5 | a=365.5 |

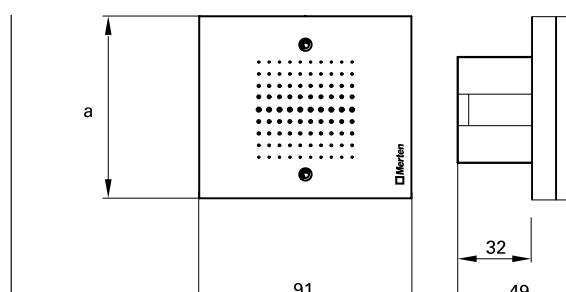


ATELIER rocker switch

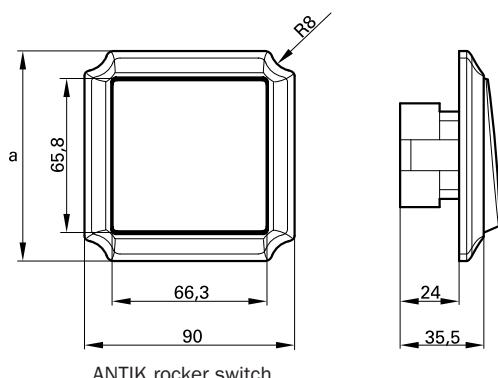
Dimensions of System Design flush-mounted ranges



ARTEC rocker switch



TRANCENT glass push-button

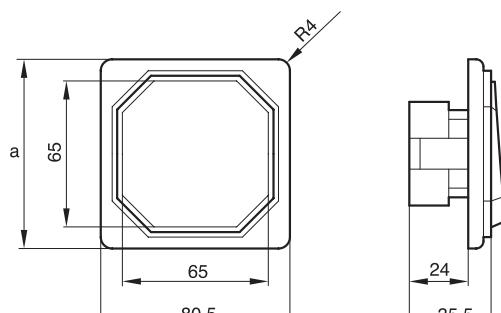


ANTIK rocker switch

| System Design | 1-gang | 2-gang | 3-gang | 4-gang | 5-gang |
|---------------|--------|---------|---------|---------|---------|
| ARTEC | a=80.5 | a=151.7 | a=222.9 | a=294.1 | a=365.3 |
| TRANCENT | a=78 | a=149 | a=220 | | |
| ANTIK | a=90 | a=161.2 | a=232.4 | a=303.6 | a=374.8 |

FLUSH-MOUNTED RANGES

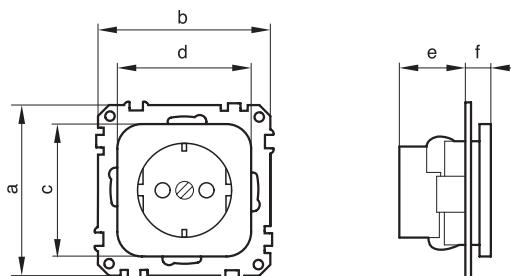
Dimensions of OCTOCOLOR flush-mounted range



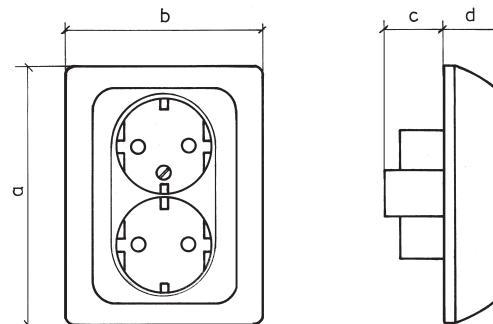
OCTOCOLOR rocker switch

| OCTOCOLOR | 1-gang | 2-gang | 3-gang | 4-gang | 5-gang |
|-----------|--------|---------|---------|---------|---------|
| | a=80.5 | a=151.5 | a=222.5 | a=293.5 | a=364.5 |

Dimensions of SCHUKO® socket-outlets



SCHUKO® socket-outlet insert

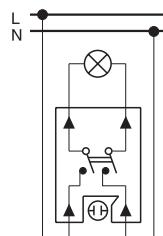


SCHUKO® double socket-outlet

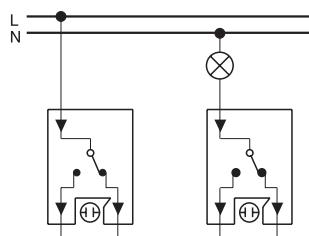
| | Dimensions in mm | | | | | | | | | |
|---------------------|------------------------------|----|------|------|----|----|------------------------------|------|----|----|
| | SCHUKO® socket-outlet insert | | | | | | SCHUKO® double socket-outlet | | | |
| | a | b | c | d | e | f | a | b | c | d |
| M-SMART | 71 | 71 | 55,5 | 55,5 | 30 | 11 | 107,5 | 80,5 | 24 | 23 |
| M-ARC / M-STAR | 71 | 71 | 55,5 | 55,5 | 30 | 11 | | | | |
| M-PLAN / M-PLAN II* | 71 | 71 | 55,5 | 55,5 | 30 | 11 | | | | |
| M-PLAN real glass | 71 | 71 | 55,5 | 55,5 | 30 | 11 | | | | |
| ARTEC | 71 | 71 | 67 | 67 | 30 | 11 | 108 | 80,5 | 24 | 23 |
| TRANCENT | 71 | 71 | 67 | 67 | 30 | 18 | | | | |
| ANTIK | 71 | 71 | 67 | 67 | 30 | 11 | | | | |
| M1 | 71 | 71 | 55 | 55 | 30 | 11 | 105 | 80,5 | 24 | 23 |
| ATELIER | 71 | 71 | 55 | 55 | 30 | 11 | | | | |
| OCTOCOLOR | 71 | 71 | 65 | 65 | 30 | 11 | | | | |

* Dimensions of socket-outlet, not built-in dimensions

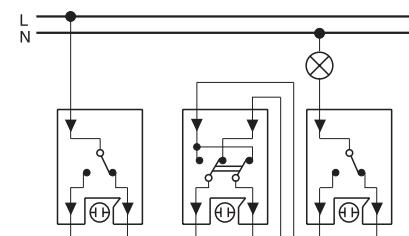
Circuit diagrams for installation switches and push-buttons



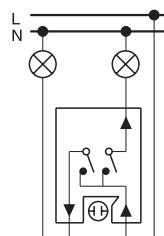
Illuminated one-way switch, 2-pole



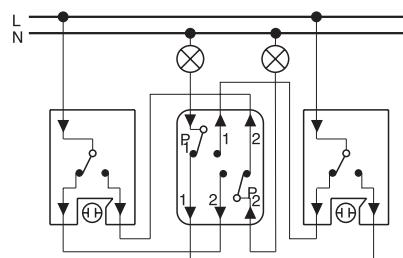
Illuminated two-way switch



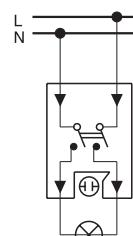
Intermediate switch circuit with illuminated switches



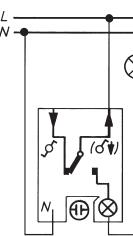
Illuminated two-circuit switch



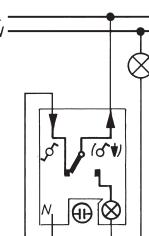
Illuminated two-way switch combined with double two-way switch



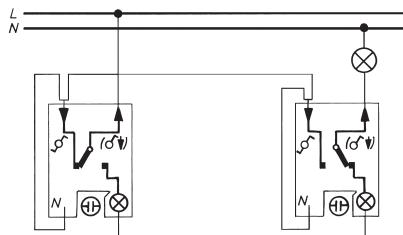
One-way switch, 2-pole with indicator lamp or heating emergency switch, 2-pole



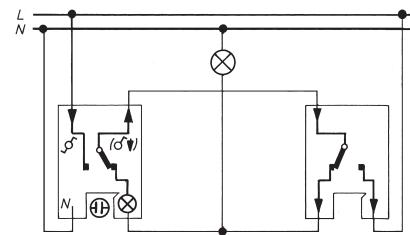
Two-way control switch as one-way control switch or heating emergency switch



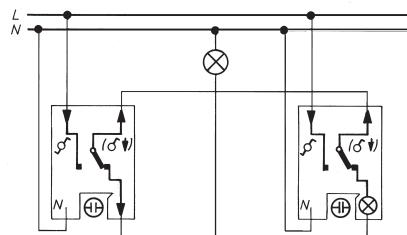
Two-way control switch as illuminated one-way switch



Two-way control switch as illuminated two-way switch

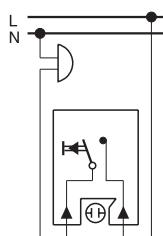


Single-sided two-way circuit with indicator lamp

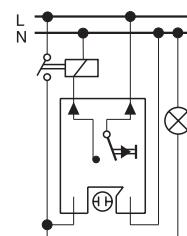


Double-sided two-way circuit with indicator lamp

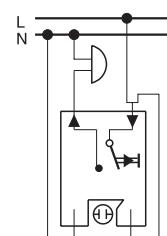
When using push-buttons connected in parallel in surge circuits, instantaneous switching of the surge relay or flickering in the neon lamps, e.g. art. no. 395100, can be prevented by integrating the capacitor, art. no. 542895 or an equivalent capacitor up to 1.5 μ F parallel to the relay coil.



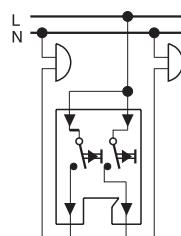
Illuminated push-button, 1-pole, make contact



Push-button, 1-pole, with separate signalling contacts for indicator lamp



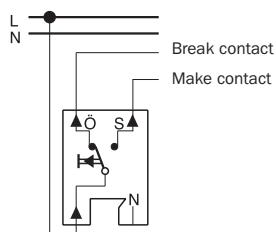
Push-button, 1-pole, with separate contacts for lighting



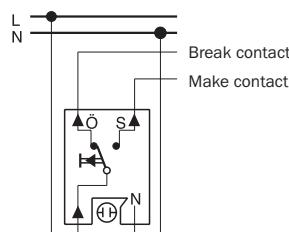
Double push-button, 1-pole, make contact

FLUSH-MOUNTED RANGES

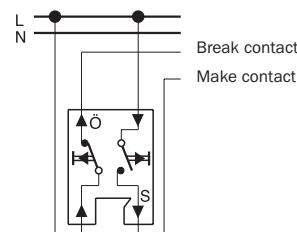
Circuit diagrams for installation switches and push-buttons



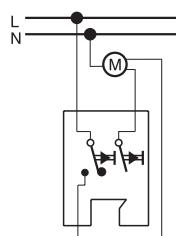
Two-way push-button, 1-pole



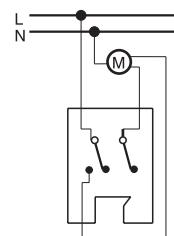
Two-way push-button, 1-pole, with lighting



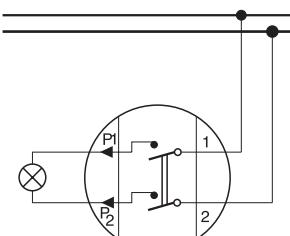
Double push-button
1 break contact 1 make contact



Roller shutter push-button

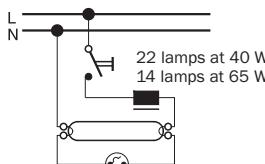


Roller shutter switch

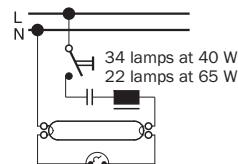


Time switch, 2-pole

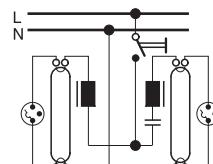
Permitted load for installation switches **10 A, AC 230 V** for different compensation and lamp types



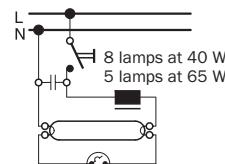
Inductive (uncompensated)



Capacitive (compensated, $\cos \varphi = 1$)



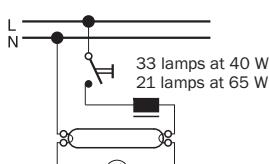
Twin-lamp circuit



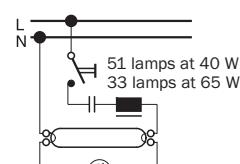
Parallel compensation

The number of lamps stated also applies for complete two-circuit switches

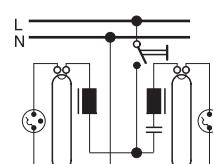
Permitted load for installation switches **16 A, AC 400 V** for different compensation and lamp types



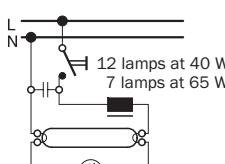
Inductive (uncompensated)



Capacitive (compensated, $\cos \varphi = 0.5$)



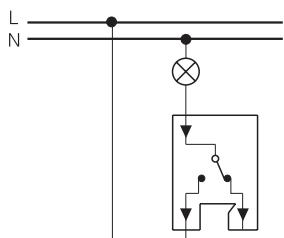
Twin-lamp circuit



Parallel compensation

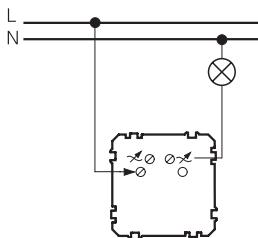
Equivalent circuit diagrams (for TRANCENT see following pages)

Existing one-way circuit



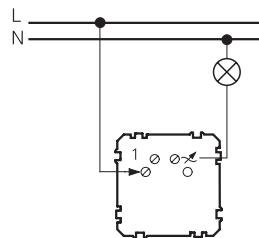
One-way/two-way switch

Dimming of luminaires



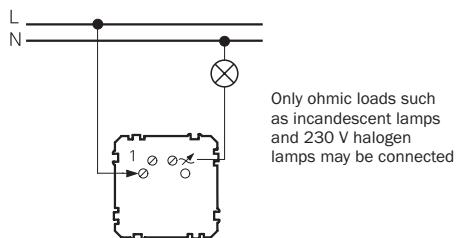
Rotary dimmer

Dimming of luminaires

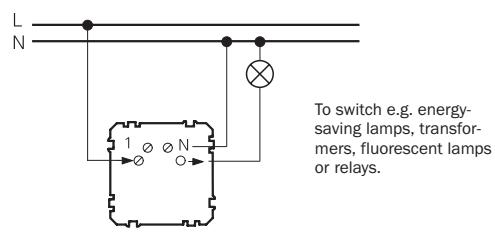


Memory super dimmer

Switching with electronic switch insert

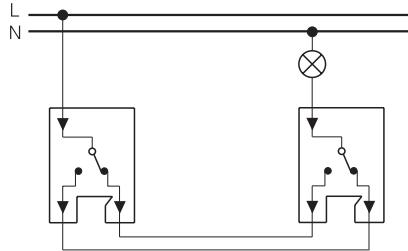
Electronic switch insert, art. no. 575799
or electronic time switch insert, art. no. 575697

Switching with relay switch insert



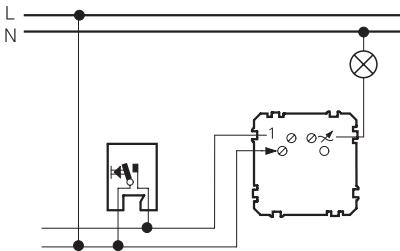
Universal relay insert, art. no. 575897

Existing two-way circuit



Two-way switch

Dimmable two-way circuit with push-button

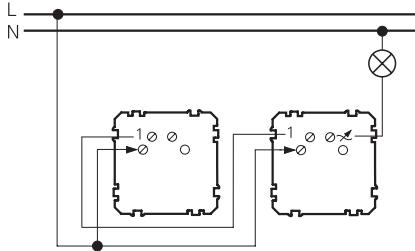


Two-way switch

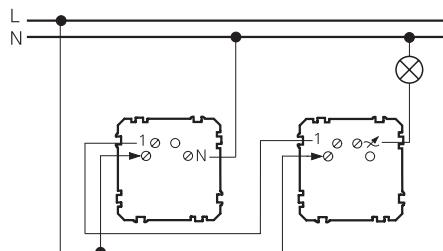
Push-button

Memory super dimmer
as main unit

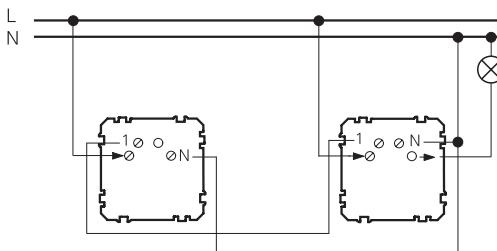
Dimmable two-way circuit with extension unit

Electronic extension
unit, art. no. 573999Memory super dimmer
as main unit

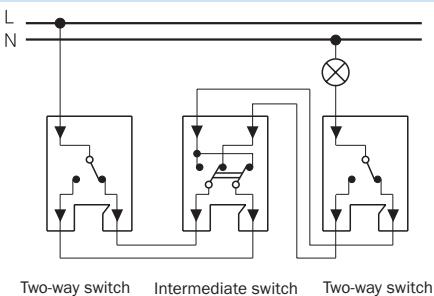
Dimmable two-way circuit with TELE extension unit

TELE extension unit,
art. no. 573998Memory super dimmer
as main unit

Switching with relay switch insert and TELE extension unit

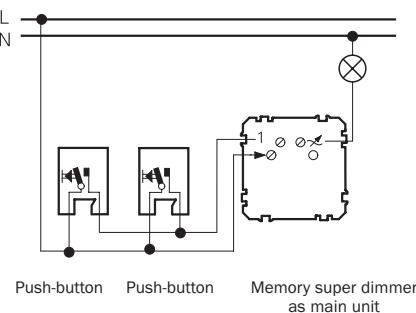
TELE extension unit,
art. no. 573998Universal relay insert,
art. no. 575897

Existing intermediate switch circuit



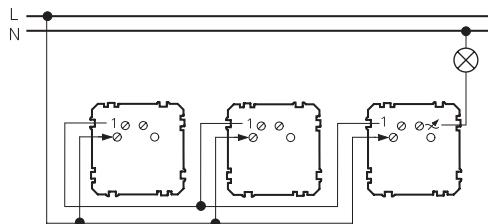
Two-way switch Intermediate switch Two-way switch

Dimmable intermediate switch circuit with push-button



Push-button Push-button Memory super dimmer as main unit

Dimmable intermediate switch circuit with extension unit



Electronic extension unit, art. no. 573999

Electronic extension unit, art. no. 573999

Memory super dimmer as main unit

Note

Extension unit 573999 cannot be combined with TRANCENT!

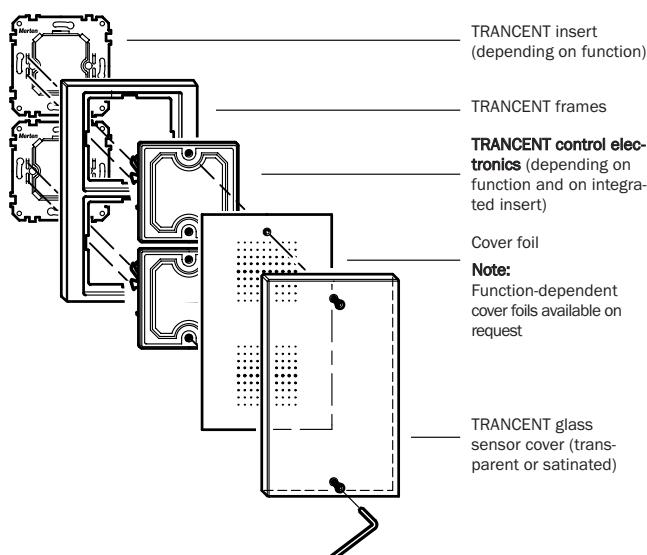
Note

ET super dimmer, art. no. 577899 **cannot** be used here!

TRANCENT

Structure

The system consists of the following components:
(The illustration shows the structure of a 2-gang combination)



TRANCENT control electronics

The TRANCENT control electronics are also elements of the system module. They are plugged onto the corresponding electronic switches, relay switches and memory super dimmers, together with frame. The glass sensor cover, containing the individually labelled cover foil, is then screwed on.

The permitted combinations can be found in the functional and device overview table for TRANCENT devices.

The inserts can then be operated through the glass cover.

The active cover, which is touched to trigger the switch, is indicated by the dotted area.

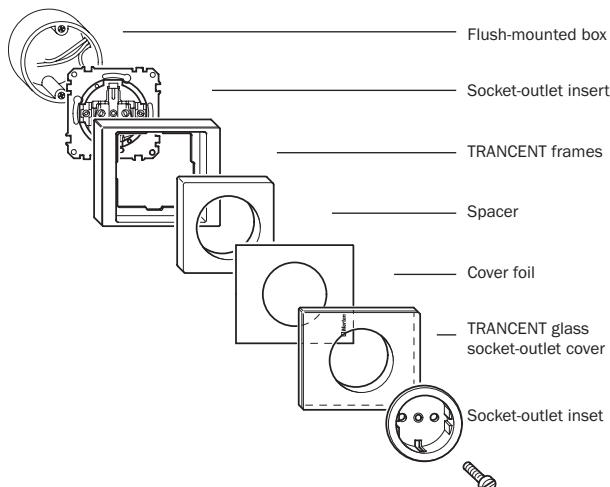
The function is triggered by simply touching the active cover - there is no need to apply pressure.

A minimum area of coverage is required when touching the glass (such as the tip of one or two fingers).

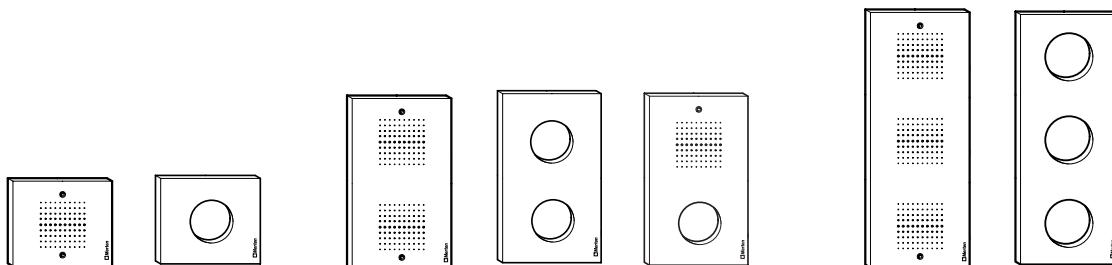
The minimum time period for which the cover must be touched is 0.5 seconds.

When installed horizontally, the TRANCENT insert is mounted at a rotated angle of 90°.

TRANCENT socket-outlets



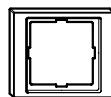
TRANCENT glass cover



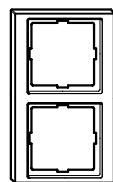
| | Glass sensor cover, 1-gang | Glass socket-outlet cover, 1-gang | Glass sensor cover, 2-gang | Glass socket-outlet cover, 2-gang | Glass sensor cover, 1-gang, with glass socket-outlet cover, 1-gang | Glass sensor cover, 3-gang | Glass socket-outlet cover, 3-gang |
|--------------------------|----------------------------|-----------------------------------|----------------------------|-----------------------------------|--|----------------------------|-----------------------------------|
| transparent satinated | 569100 569101 | 569400 569401 | 569200 569201 | 568200 568201 | 569500 569501 | 569300 569301 | 568300 568301 |

Delivered with standard cover foil and screws

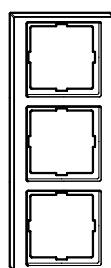
Frame



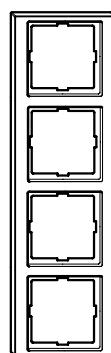
TRANCENT frame, 1-gang,
art. no. 482160



TRANCENT frame, 2-gang,
art. no. 482260



TRANCENT frame, 3-gang,
art. no. 482360



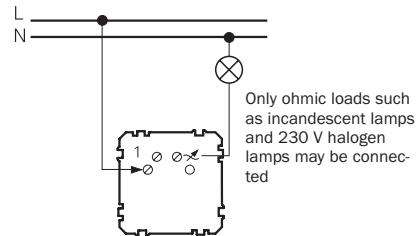
TRANCENT frame, 4-gang,
art. no. 482460

Overview of TRANCENT functions and devices

| Function | Inserts | Control electronics | | | |
|--|---|--|-------------------------------------|-------------------------------------|-------------------------------------|
| | | Control electronics, 1-gang | Two-circuit control electronics | Roller shutter control electronics | Control electronics, 1- to 4-gang |
| Electronic switch (2 conductors) | | | | | |
| Switching of ohmic loads |  | Electronic switch insert 575799 (25-400 W) AC 220-230 V, 50-60 Hz   | <input checked="" type="checkbox"/> | | |
| Timed switching of ohmic loads |  | Electronic time switch insert 575697 (25-400 W)   | <input checked="" type="checkbox"/> | | |
| Pulse generator for surge switches or protective circuits |  | Electronic push-button insert 574697 (4-100 VA) | <input checked="" type="checkbox"/> | | |
| Relay switch (3 conductors) | | | | | |
| Switching, timed switching, push-button operation of ohmic, inductive and capacitive loads |  | Universal relay insert 575897 AC 220-230 V, 50-60 Hz max. 1000 W/VA 500 VA for LV halogen lamps with conventional transformer; max. 140 μ F capacitive load      | <input checked="" type="checkbox"/> | | |
| Switching of ohmic, inductive or capacitive loads via two outputs |  | Roller shutter/two-circuit insert 576499      | | <input checked="" type="checkbox"/> | |
| Dimmer (2 conductors) | | | | | |
| Dimming of ohmic, inductive and capacitive loads |  | Universal super dimmer insert 577099 at 50 Hz: 25 - 420 VA at 60 Hz: 25 - 340 W      | <input checked="" type="checkbox"/> | | |
| Dimming of ohmic loads |  | Memory super dimmer insert for ohmic load 573399 (60-400 W) 577299 60-600 W, halogen 500 W    | <input checked="" type="checkbox"/> | | |
| Dimming of inductive loads |  | Memory halogen super dimmer insert for inductive load 573599 (20-500 VA)    | <input checked="" type="checkbox"/> | | |
| Dimming of capacitive loads |  | Memory ET super dimmer insert for capacitive load 577899 (20-315 W)    | <input checked="" type="checkbox"/> | | |
| Extension unit | | | | | |
| Operator function for extension unit as main unit |  | Extension TELE insert 573998 | <input checked="" type="checkbox"/> | | |
| Roller shutter/blind | | | | | |
| Control of a blind/roller shutter drive |  | Roller shutter/serial insert 576499 | | not permitted | <input checked="" type="checkbox"/> |
| INSTABUS EIB | | | | | |
| |  | Bus coupler, flush-mounted 2 690299 | | | <input checked="" type="checkbox"/> |

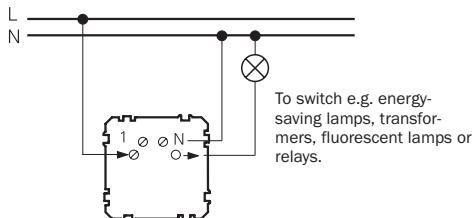
TRANCENT circuit diagrams

Switching with electronic switch insert



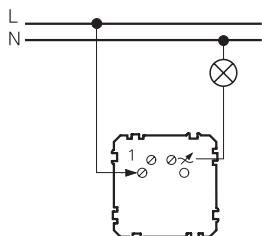
Electronic switch insert, art. no. 575799 or electronic time switch insert, art. no. 575697
+
Control electronics, 1-gang, art. no. 569090.

Switching with universal relay insert



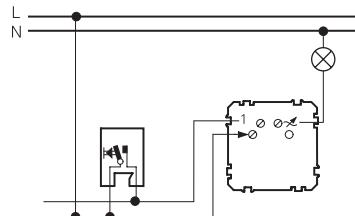
Universal relay insert, art. no. 575897
+
Control electronics, 1-gang, art. no. 569090.

Dimming of luminaires



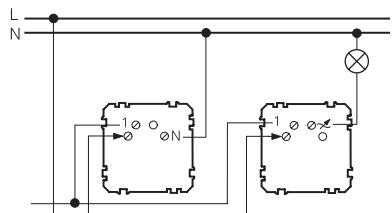
Memory super dimmer (dependent on the load)
+
Control electronics, 1-gang, art. no. 569090.

Two-way circuit: Replaced by TRANCENT insert and push-buttons



Push-button Super dimmer or electronic switch insert, art. no. 575799 or art. no. 575697
+
Control electronics, 1-gang, art. no. 569090.

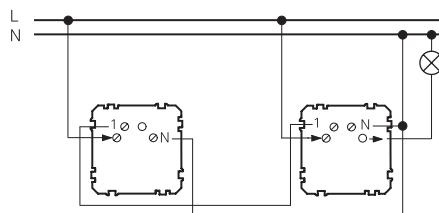
Two-way circuit: Replaced by TRANCENT insert and TELE extension unit



TELE extension unit, art. no. 573998
+
Control electronics, 1-gang, art. no. 569090

Super dimmer or electronic switch insert, art. no. 575799 or art. no. 575697
+
Control electronics, 1-gang, art. no. 569090

Two-way circuit: Replaced by universal relay insert and TELE extension unit

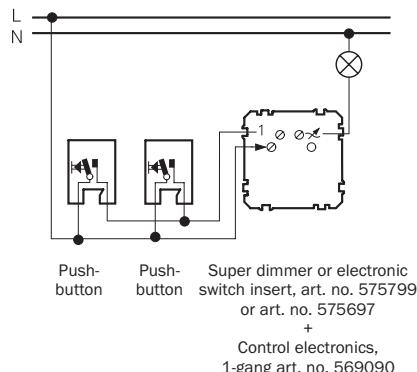


TELE extension unit, art. no. 573998
+
Control electronics, 1-gang, art. no. 569090

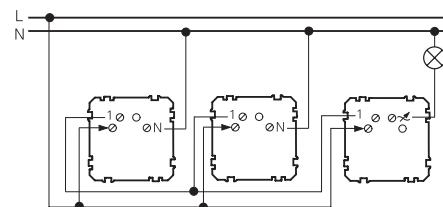
Universal relay insert art. no. 575897
+
Control electronics, 1-gang, art. no. 569090

TRANCENT circuit diagrams

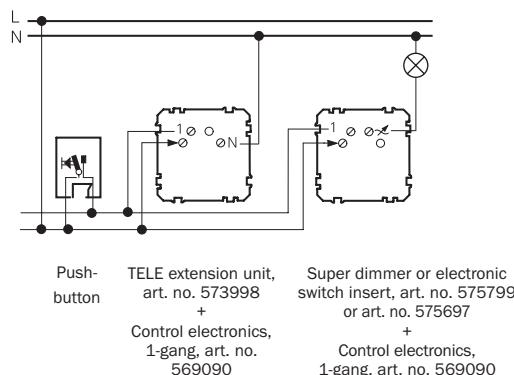
Intermediate switch circuit: Replaced by TRANCENT insert and push-buttons



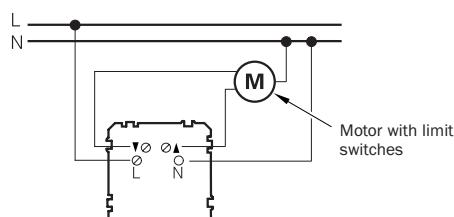
Intermediate circuit: Replaced by TRANCENT insert and TELE extension unit



Intermediate switch circuit: Replaced by TRANCENT insert, push-button and TELE extension unit

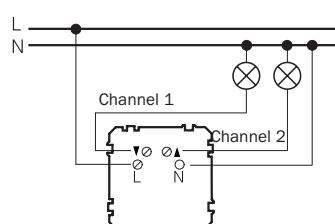


Control of a blind/roller shutter drive



Roller shutter/two-circuit insert, art. no. 576499 +
Roller shutter control electronics, art. no. 569092

Switching of two outputs



Roller shutter/two-circuit insert, art. no. 576499 +
Two-circuit control electronics, art. no. 569091