



Capacity enhancer FLUD14
for universal dimmer switch
FUD14/800W

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Capacity enhancer for universal dimmer switch FUD14/800W, Power MOSFET up to 400W. Standby loss 0.1 watt only. Modular device for DIN EN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

Capacity enhancers FLUD14 can be connected to the universal dimming actuator FUD14/800W. By this the switching capacity **for one lamp** will be increased up to 200W or alternatively **for additional lamps** up to 400W per each capacity enhancer

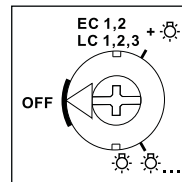
The two circuits to increase capacity can be created at the same time using several FLUD14s.

Supply voltage 230V. No minimum load. Automatic electronic overload protection and over-temperature switch-off.

The lamp type of a capacity enhancer FLUD14 in the 'Capacity increase with additional lamps' may deviate from the lamp type of the universal dimmer switch FUD14/800W.

It is therefore possible to mix capacitive and inductive loads.

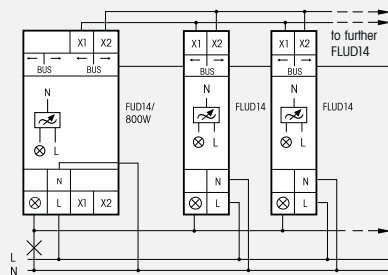
Function rotary switch



The switching mode 'one lamp' (☉) or 'additional lamps' (☉☉) is set with a rotary switch on the front.

This setting must be same as the actual installation, otherwise there is a risk of destruction of the electronics.

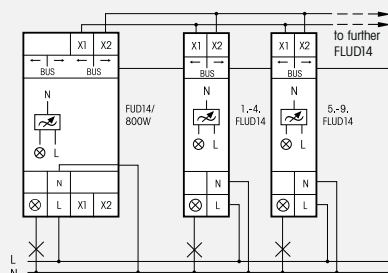
Capacity increase for a lamp (☉) in dimmer switch operating modes AUTO, LC4, LC5 and LC6. For operating modes EC1, 2 and LC1, 2, 3, please see below.



FUD14/800W:

1.-8. FLUD14 + up to 200W each⁶⁾

Capacity increase for additional lamps (☉☉) in dimmer switch operating modes AUTO, LC4, LC5 and LC6. For operating modes EC1, 2 and LC1, 2, 3, please see below.

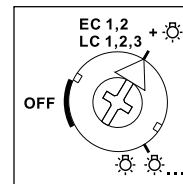


FUD14/800W:

1.-7. FLUD14 + up to 400W each⁶⁾

This setting must be made on the front panel for ESL and 230V LED lamps if the FUD14/800W is operated in comfort settings EC1, EC2, LC1, LC2 or LC3.

Function rotary switch

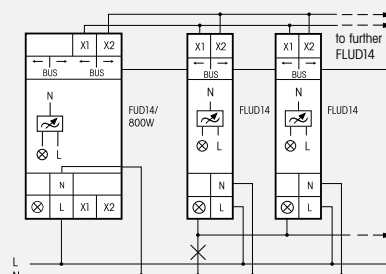


Capacity increase with capacity enhancers FLUD14 for dimmable energy saving lamps ESL and dimmable 230V LED lamps in comfort settings EC1, EC2, LC1, LC2 and LC3.

Also for capacity increase with additional lamps.

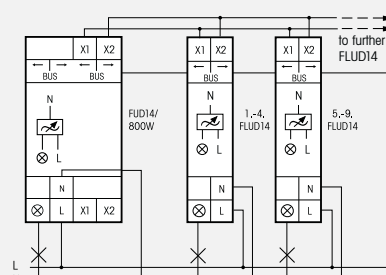
Otherwise there is a risk of destruction of the electronics.

Capacity increase of a lamp in settings EC1, 2 and LC1, 2, 3.



1.-8. FLUD14 + up to 100W each⁶⁾

Capacity increase with additional lamps in settings EC1, 2 and LC1, 2, 3.



1.-8. FLUD14 + up to 100W each⁶⁾

Technical data

Incaandescent and halogen lamps ¹⁾ 230V (R)	up to 400W ⁶⁾
Inductive transformers (L)	up to 400W ²⁾³⁾⁶⁾
Electronic transformers (C)	up to 400W ²⁾³⁾⁶⁾
Dimmable energy saving lamps ESL	up to 400W ⁵⁾⁶⁾
Dimmable 230V LEDs	up to 400W ⁵⁾⁶⁾
Max./min. temperature at mounting location	+50°C/-20°C ⁴⁾
Standby loss (activ power)	0.1W

- ¹⁾ Applies to lamps of max. 150W.
- ²⁾ Per dimmer it is only allowed to use max. 2 inductive (wound) transformers of the same type, furthermore no-load operation on the secondary part is not permitted. The dimmer might be destroyed. Therefore do not permit load breaking on the secondary part. Operation in parallel of inductive (wound) and capacitive (electronic) transformers is not permitted!
- ³⁾ **When calculating the load a loss of 20% for inductive (wound) transformers and a loss of 5% for capacitive (electronic) transformers must be considered in addition to the lamp load.**
- ⁴⁾ Affects the max. switching capacity.
- ⁵⁾ Usually applies for dimmable energy saving lamps and dimmable 230V LED lamps. Due to differences in the lamps electronics, there may be limited dimming range, switch on and off problems dependent on the manufacturer and a restriction on the maximum number of lamps; especially if the connected load is very low (for 5W-LEDs). The comfort positions EC1, EC2, LC1, LC2 and LC3 optimize the dimming range, which, however, only gives a maximum power up to 100W. No inductive (wound) transformers may be dimmed in these comfort positions.
- ⁶⁾ Ventilation clearance of 1/2 module to adjacent devices must be maintained.

Must be kept for later use!

We recommend the housing for operating instructions GBA14.

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