

Selection Table for Universal Dimmer Switches, Capacity Enhancer and 1-10V Controllers

The Energy Savers



Set the mood and reduce energy costs at the same time - a fascinating combination for incandescent lamps, halogen lamps and LED lamps. The dimming of lamps in combination with soft ON and soft OFF, prolongs their lifetime considerably. This applies also to the new infinitely dimmable energy saving lamps. Only universal dimmers with the marking R, L, C recognize automatically the connected load and adjust their dimming function accordingly. Other dimmers have to be exchanged if lamps with other kind of loads are used later. Only dimmer switches with additional ESL marking are optimized for dimmable energy saving lamps. Only universal dimmer switches with an additional LED marking are optimized for dimmable LED lamps.

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	pictograms	EUD12NPN	EUD12Z-UC	EUD12D-UC	EUD12F	LUD12-230V	MOD12D-UC	SDS12/1-10V	SUD12/1-10V	EUD61NP-230V	EUD61NPN-UC	EUD61M-UC	ELD61/12-36V DC	SDS61/1-10V
Modular device for DIN EN 60715 TH35 rail mounting, number of modules 18 mm each		1	1	1	1	1	1	1	1					
Built-in device for installation (e.g. flush-mounting box) and surface mounting										■	■	■	■	■
Dimming R, L and C loads		■	■	■	■	5) L loads	1-10V EVG*		7) ■	■	■	■		1-10V EVG*
Optimized dimming function for dimmable energy saving lamps ESL		■	■	■	■	■					■	■		
Optimized dimming function for dimmable LEDs		■		■		■					■		■	
Power MOSFET up to 400W (nearly unlimited number of switching cycles)		■	■	■	1) ■	■	1) ■		7) ■	8) ■	■	■	4A	
Increase of capacity with capacity enhancer LUD12-230V			■	■					7) ■					
Zero passage switching		■	■	■	■	■	■	■	■	■	■	■		■
Minimum brightness level adjustable		■	■	■	■	6) ■	■	■	6) ■	■	■	■	■	■
Universal control voltage 8 to 230V UC		■	■	■		6) ■	■	■	6) ■		■	■	■	
Supply voltage 230V		■	■	■	■	■	■	■	■	■	■	■		■
Low standby loss		■	■	■	■	■	■	■	■	■	■	■	■	■
Glow lamp current (mA) 2) 4)		5	3) 5	3) 5		6) 5								
Central control electrically isolated from the local input			■	■		6) ■	■	(■)	6) ■					
Switching operation for children's rooms		■	■	■	■	6) ■		■	6) ■	■	■	■	■	■
Snooze function		■	■	■	■	6) ■		■	6) ■	■	■	■	■	■
Multifunction				■					6) ■			■		

* EVG = electronic ballast units

1) Power MOSFET 300W.

2) Applies to glow lamps with 170V ignition voltage, for glow lamps with 90V ignition voltage approx. 1/2 glow lamp current.

3) Depends on the set function.

4) Will automatically be switched on from 110V control voltage.

5) Same load as main dimmer switch or separate R, L or C load, depending on circuit.

6) This specification refers to EUD12Z or EUD12D, which is connected in series.

7) This specification refers to the connected EUD12D, EUD12Z or LUD12 depending on the selected mode.