

# Technical: wiring accessories

## Lisse Screwless Deco

### Dimmer switches



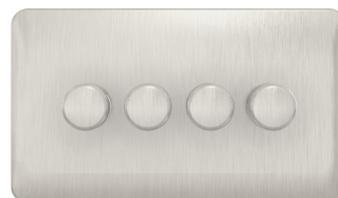
GGBL6011CSS



GGBL6022CSS



GGBL6032CSS



GGBL6042CSS

### Description

Two types of dimmer switches are available with the Lisse Screwless Deco range: Universal (mains and low voltage) dimmers and LED dimmers.

### Features & benefits

#### Universal (mains & low voltage)

- Leading-edge technology.
- Up to 4 gang configuration.

#### LED dimmer

- Trailing-edge technology.
- Up to 2 gang configuration.
- Compatible with tungsten.
- Minimum load adjustment.
- Compatibility tool available online at [www.schneider-electric.com/lisse/uk](http://www.schneider-electric.com/lisse/uk)

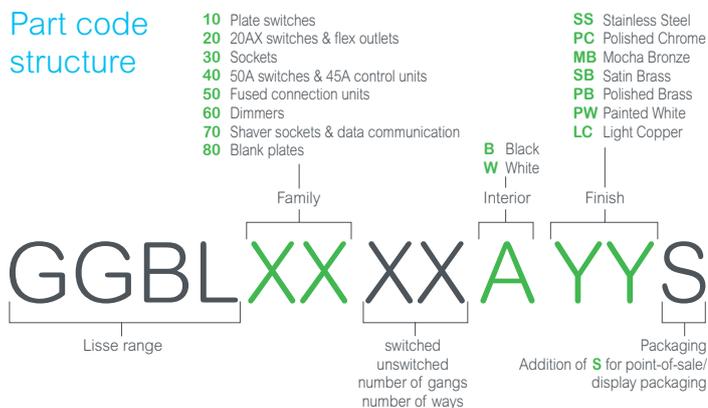
Technical specifications	
Voltage rating:	250V 50Hz
Current rating:	250W, 250W/VA & 400W/VA (mains & low voltage) 100W/VA (LED – 1 & 2 gang)
Terminal capacity: (no. of cores to each terminal hole)	1.0mm <sup>2</sup> 5 1.5mm <sup>2</sup> 3 2.5mm <sup>2</sup> 1
Dimensions:	87 x 87mm (1 & 2 gang) 87 x 148.5mm (3 & 4 gang)
Operating temperature:	Ambient temperatures not normally exceeding 25°C but occasionally reaching 35°C
Mounting box depth:	25mm
Fixing screws:	M3.5 x 25mm
Standard of compliance:	BS EN 60669-2-1

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#### Part code structure



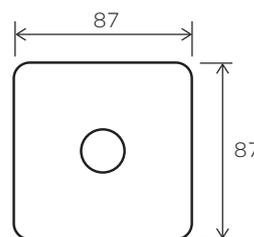
#### Range

Range	
<b>Universal (mains and low voltage)</b>	
GGBL6011CYY	1 gang 1 way - 250W
GGBL6012CYY	1 gang 2 way - 400W/VA
GGBL6022CYY	2 gang 2 way - 250W/VA
GGBL6032CYY	3 gang 2 way - 250W/VA
GGBL6042CYY	4 gang 2 way - 250W/VA
<b>LED dimmers</b>	
GGBL6012LY	1 gang 2 way LED - 100W/VA
GGBL6022LY	2 gang 2 way LED - 100W/VA

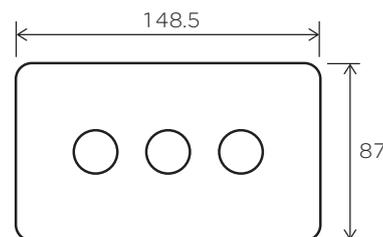
Steel mounting boxes	
SB251	1 gang 25mm deep
SB252	2 gang 25mm deep

#### Dimensions

##### 1 & 2 gang



##### 3 & 4 gang



#### Configuration, packaging type and stock availability

Finishes	Inserts	Packaging option	Stock availability
Stainless Steel (SS)	White	Standard box	MTS
	Black	Shelf ready box & display packaged	MTS
Polished Chrome (PC)	White	Standard box	MTS
	Black	Standard box	MTS
Satin Brass (SB)	White	Standard box	MTO
	Black	Standard box	MTS
Mocha Bronze (MB)	White	Standard box	MTS
	Black	Shelf ready box & display packaged	MTS
Painted White (PW)	White	Standard box	MTO
	Black	Standard box	MTO
Polished Brass (PB)	White	Standard box	MTO
	Black	Standard box	MTO
Light Copper (LC)	White	Standard box	MTO
	Black	Standard box	MTO

MTO = made to order  
 MTS = made to stock

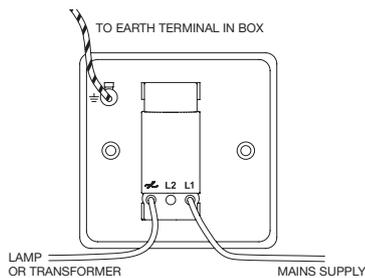
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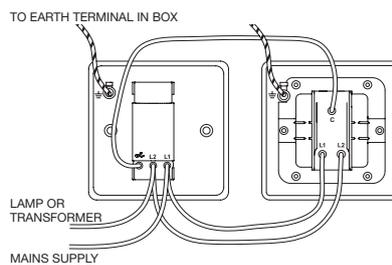
#### Universal (mains & low voltage) dimmers wiring diagrams

##### INSTALLATION WIRING DIAGRAM – 2 WAY DIMMERS WIRED IN 1 WAY CIRCUIT



(For multi-gang dimmers treat each circuit separately and connect as above.)

##### INSTALLATION WIRING DIAGRAM – 2 WAY DIMMERS WIRED IN 2 WAY CIRCUIT



(For multi-gang dimmers treat each circuit separately and connect as above.)

##### LOADING TABLE

PLATE SIZE	No. of Dimmers	Max. each Dimmer	Min. each Dimmer	Total per Plate
1	1	250W/VA	60W/VA	250W/VA
1	1	400W/VA	60W/VA	400W/VA
2	2	250W/VA	60W/VA	500W/VA

Maximum load of 500W/VA for the plate should not be exceeded.

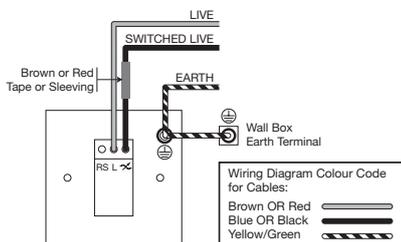
PLATE SIZE	No. of Dimmers	Max. each Dimmer	Min. each Dimmer	Total per Plate
3	3	250W/VA	60W/VA	750W/VA
4	4	250W/VA	60W/VA	1000W/VA

Maximum load of 1000W/VA for the plate should not be exceeded.

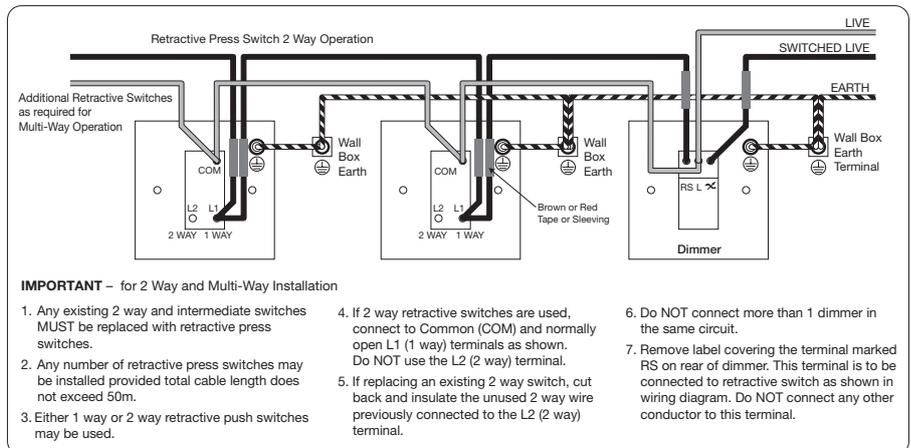
**NOTE:** The dimmer VA rating refers to the total circuit load, not the lamp load. Allowances must be made for transformer losses typically 20% for wire wound laminated and toroidal transformers and 15% for dimmable electronic transformers.

#### LED dimmers wiring diagrams

##### 1 WAY INSTALLATION WIRING DIAGRAM



**IMPORTANT NOTES** - for 1 Way Installation  
Do not connect any conductor to dimmer terminal marked RS. This is only for use with 2 way switching.



##### Technical specification

Rated Voltage: 220 V-230 Vac 50 Hz  
(not compatible with 100-125 Vac or 60 Hz supplies)  
Product standards: EN 60669-2-1

Type of ballast	Minimum Load	Maximum load
Mains voltage tungsten halogen lamp	25 W	100 W
Low voltage halogen lamp	25 W	100 W
LED lamp*	5 W	100 W

\* For LED lamp compatibility please visit [www.dimmer-test.com](http://www.dimmer-test.com)  
If the LED lamp flickers at minimum dim Level, use the below procedure to set the LED lamp to a adjust and set a higher minimum dimmer position. Please note by using this procedure the minimum dim level of the LED lamp would be increased.

##### Attention:

\* Only to be used if the lamp flickers at the minimum brightness:

- Switch on the lamp by a single push on the dimmer Knob.
- Dim it down to the lowest level.
- Press & hold the knob for 5-6 secs until the lamp oscillates from full brightness to minimum brightness.
- During these 4 secs rotate the knob to position the desirable min level (higher than the current min level position).
- Push the knob once and the lamp will auto oscillate from min to max to confirm the settings have been set.