



## Light Sensitive Switches

### Galax LSS

### Applications



Control of lighting in shop windows, offices, car parking areas, controlling street lights, advertising signs, sun blinds, shutters, or even lighting in a home to simulate the presence of people.

### Features

User presettable switch light intensity, intensity range and hysteresis (to avoid on/off a stable behavior). Reaction time is also user presettable. 1 channel and 2 channel with week-cycle, all with separate photocell are available besides a 1 channel all-in-one device.

### Function

Electronic switch controlled by the intensity of the ambient light, detected by a separate or integrated photocell (depending on the model). When the light intensity drops below the threshold setting, the switch changes its state to the on position. An increasing ambient light intensity eventually will switch off the device again.

### Standards




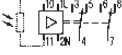
VDE 0632, VDE 0633,  
BS EN 60669-1

### Performance




	1 channel	2 channel	1 channel wall mounting
<b>Contacts</b>			
Contact	1 Voltage-free contact NO	Voltage-free change over	1 Voltage-free contact NO
Switching capacity			
- Resistive load	16A/250V	10A/250V	10A/250V
- Inductive load (cos φ = 0.6)	8A/250V	8A/250V	2A/250V
- Incandescent lamps	2000W	2000W	1200W
Switching capacity	800mA at 24V, 300mA at 60V; 150mA at 220V		Not allowed
Shortest switching time	-	-	-
Screws	Pozidriv 1	Pozidriv 1	Slot head
Terminal capacity: min	1x0.5 mm <sup>2</sup>	1x0.5 mm <sup>2</sup>	1x0.5 mm <sup>2</sup>
max	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>
<b>Light sensitive operating part</b>			
Light intensity switching range	2 ... 500 lux	2 ... 500 lux	2 ... 2000 lux
Switching hysteresis		30% above On-switching point	
On/Off switching delay	100 s. On 100 s. Off	Use presettable from 0 to 100 s.	50 s. On 50 s. Off
Light sensitive sensor wire-length	max 100m	max 100 m	-
Light sensitive sensor protection degree	IP65	IP65	IP54 (complete device)
Operating voltage	220/240V 50/60Hz	230V 50/60Hz	220/240V 50/60Hz
Own consumption at 230V	5VA	2.5VA	6VA
Running reserve	-	-	-
Battery	-	-	-
Operating temperature range	-20 ... +55°C	-20 ... +55°C	-35 ... +60°C
Accuracy	-	-	-
Sealable	yes	yes	-
Screws	Pozidriv 1	Pozidriv 1	Slot head
Terminal capacity: min	1x0.5 mm <sup>2</sup>	1x0.5 mm <sup>2</sup>	1x0.5 mm <sup>2</sup>
max	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>	1x6 mm <sup>2</sup> or 2x2.5 mm <sup>2</sup>

More technical data ● website  
Dimensions ● pg D.46

**Galax LSS - Light sensitive switches**

		Program	No. of channels	Nominal current	Operating voltage	No. of modules	Cat. No.	Ref. No.	Pack.
	DIN rail mounting, separate photocell included 	2 ... 500 lux	1NO	16A/250V	230V	1	LSS 11	666361	1
		2 ... 500 lux	2CO	16A/250V	230V	3	LSS 32	666362	1
	Wall mounting, photocell incorporated 	2 ... 2000 lux	1NO	16A/250V	230V	-	LSS W	666364	1

**Accessories**

						No. of modules	Cat. No.	Ref. No.	Pack.
	Photocell (spare part) 					-	LSS LDR	666358	1
		Surface mounting set				1	SMS 1	666100	1
						3	SMS 3	666101	1

Galax LSS

A

B

C

D

E

F

G

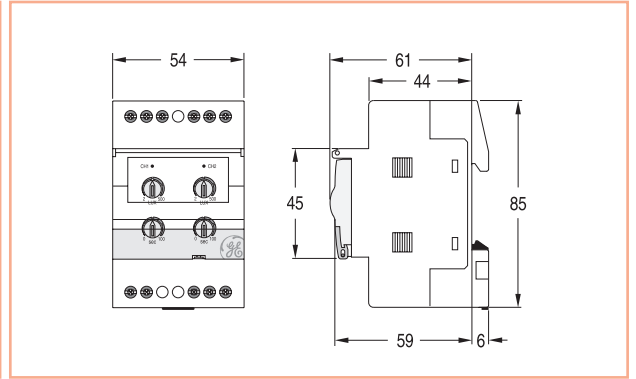
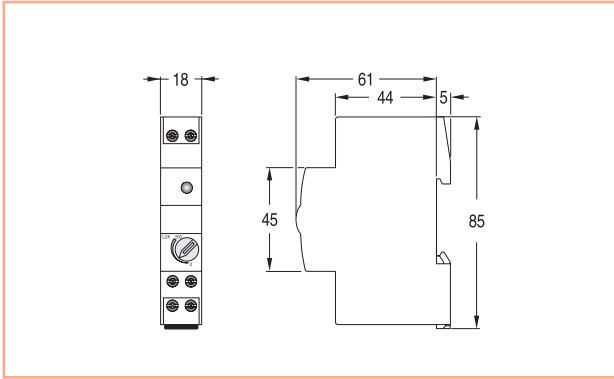
X



Dimensional drawings

Light sensitive switch 1 module - Galax LSS

Light sensitive switches 3 mod. - Galax LSS



Comfort functions

A

B

C

D

E

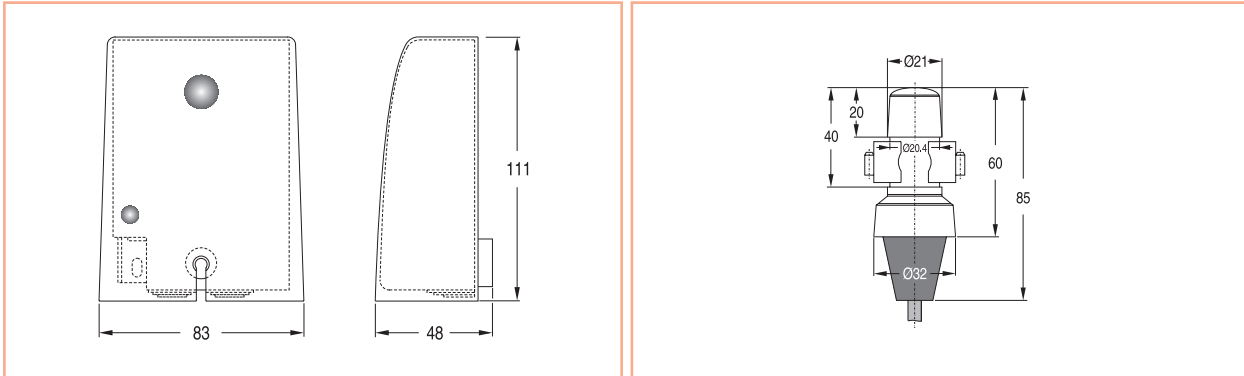
F

G

X



**Light sensitive switch photocell incorporated** **Light sensitive switches - Photocell**



Dimensional drawings

A

B

C

**D**

E

F

G

X