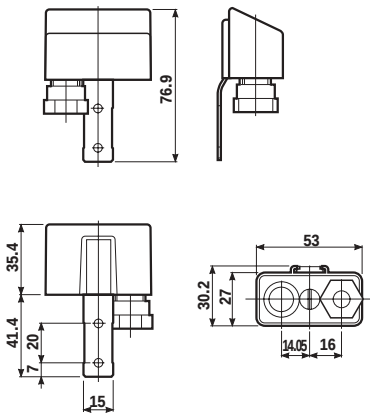
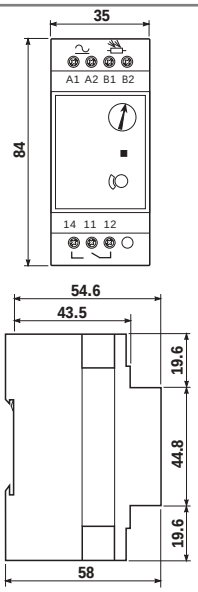
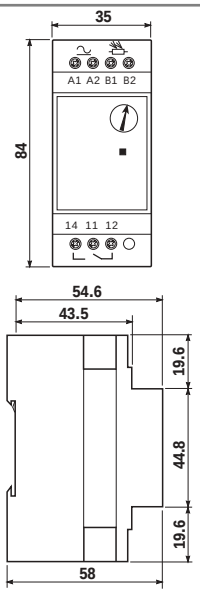
- *Type 11.01 is suitable for use on staircases and in entrance halls.*
  Selector with 3 positions:
  - ***high range*** *(threshold setting 20...1000lx)*
  - ***low range*** *(threshold setting 1...30lx)*
  - ***continuous light*** *(particularly interesting for the Test at the first installation).*
- *Type 11.71: with 1 CO contact and with 12...24 VAC/DC voltage supply.*
- *SELV separation between contact and supply circuit.*
- *Supplied with separate sensitive photocell.*
- *LED indication.*
- *35 mm rail (EN 50022) mount.*



011.00

Sensitive photocell

	11.01	11.71
		
	- 1 pole - 35 mm rail mount - "zero hysteresis"	- 1 pole - 35 mm rail mount - low voltage version available
		
Contact specifications		
Contact configuration	1 CO	1 CO
Rated current / Max. peak current A	16 / 30 (100 A - 5 ms)	16 / 30 (100 A - 5 ms)
Rated voltage / Max. switching voltage V AC	250 / 400	250 / 400
Rated load in AC1 VA	4,000	4,000
Rated load in AC15 (230 VAC) VA	750	750
Nominal lamp rating: incandescence (230V) W	2,000 (NO contact)	2,000 (NO contact)
compensated fluorescent (230V) W	550 (NO contact)	550 (NO contact)
uncompensated fluorescent (230V) W	1,000 (NO contact)	1,000 (NO contact)
halogens (230V) W	2,000 (NO contact)	2,000 (NO contact)
Minimum switching load mW(V/mA)	1,000 (10/10)	1,000 (10/10)
Standard contact material	$AgSnO_2$	$AgSnO_2$
Supply specifications		
Nominal voltage V DC/AC (50/60Hz)	—	12...24
V AC (50/60Hz)	230	110...125 / 230...240
Rated power AC/DC VA (50Hz) / W	2 / —	1.3 / 0.8
Operating range DC/AC (50Hz)	—	(9.6...33.6) V
AC (50Hz)	$(0.8...1.1)U_N$	(88...137) V / (184...264) V
Technical data		
Electrical life at rated load in AC1 cycles	$100 \cdot 10^3$	$100 \cdot 10^3$
Threshold setting lx	1...30 (low range)	1...100 (switching ON)
lx	20...1,000 (high range)	2...150 (switching OFF)
Delay time: switching ON / OFF s	15 / 25	15 / 25
Ambient temperature range °C	–20...+50	–20...+60
Protection category: light dependent relay / photocell	IP 20 / IP 54	IP 20 / IP 54
Approvals: (according to type)	CE GOST	

ORDERING INFORMATION

Example: a 11 series light dependent relay “zero hysteresis” with 1 CO - 16 A contact and 35 mm rail mounting, with 230 V AC supply.

1 1	.	0	1	.	8	.	2 3 0	.	0	0	0	0

Series

Type
0 = 35 mm rail (EN 50022) mounting, “zero hysteresis”
7 = 35 mm rail (EN 50022) mounting

No. of poles
1 = 1 pole

Supply voltage
024 = 12...24 V AC/DC for 11.71 only
125 = 110...125 V AC for 11.71 only
230 = 230...240 V AC for 11.71 only
230 = 230 V AC for 11.01 only

Supply version
0 = AC (50/60 Hz)/DC for 11.71.0.240 only
8 = AC (50/60 Hz)

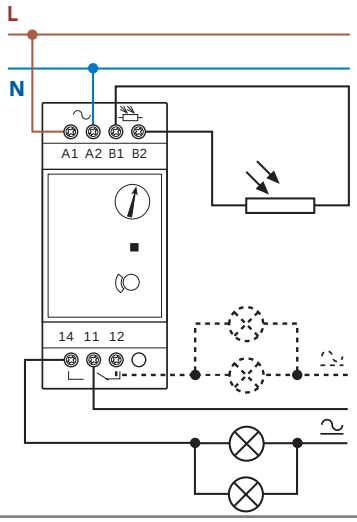
TECHNICAL DATA

INSULATION		11.01		11.71	
DIELECTRIC STRENGTH					
- between supply and contacts	V AC	4,000		4,000	
- between open contacts	V AC	1,000		1,000	

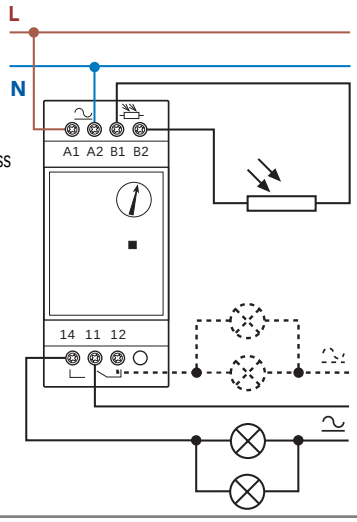
OTHER DATA		11.01		11.71	
CABLE GRIP of SENSITIVE PHOTOCELL	Ø mm	(7.5...9)		(7.5...9)	
PRESET THRESHOLD	lx	10		100	
POWER LOST TO THE ENVIRONMENT					
- without contact current	W	1.3		0.8	
- with rated current	W	3.1		2	
MAX WIRE SIZE		solid cable	stranded cable	solid cable	stranded cable
	mm^2	1x6 / 2x4	1x6 / 2x2.5	1x6 / 2x4	1x6 / 2x2.5
	AWG	1x10 / 2x12	1x10 / 2x14	1x10 / 2x12	1x10 / 2x14
SCREW TORQUE	Nm	0.8		0.8	

WIRING DIAGRAMS

Type 11.01
RED LED indication:
Blinking = power ON, relay OFF
Continuous = power ON, relay ON

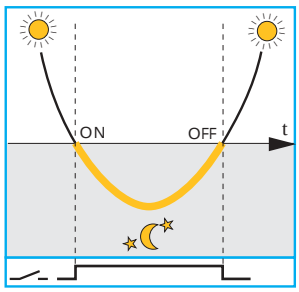


Type 11.71
RED LED indication:
Slow blinking = power ON, relay OFF
Fast blinking = power ON, timing in progress
Continuous = power ON, relay ON



11

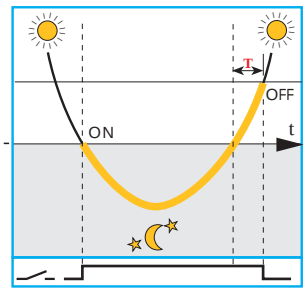
“ZERO HYSTERESIS” LIGHT DEPENDENT RELAYS



ON/OFF threshold

set threshold

TRADITIONAL LIGHT DEPENDENT RELAYS



OFF threshold

ON threshold

Type 11.01

Switch OFF level = Switch ON level. Patented "Zero Hyseresis" circuitry ensures reliable switching without wasting energy.

“Traditional” light dependent relays incorporate switching hysteresis to prevent malfunctioning or tripping. This results in an unnecessary delay in switching off,and a resulting waste of energy (over period T).