

Relays for automatic control of lighting according to the ambient light level
Integral light sensor
For pole or wall mounting
10.42 - Two independent 16 A outputs with individual lux setting
10.51 - Miniature single 12 A 1 NO output
10.61 - Mounting on street light body

- Sensitivity adjustment from 1 to 80 lux
- Fixed sensitivity 10 lux ($\pm 20\%$) - (10.61 type)
- Cadmium free contact material
- Cadmium free light sensor (IC photo diode)
- Electronic circuit - transformer isolated (10.42 type)
- Italian Patent "light feedback compensation" innovative principle (10.51 type)
- For the first 3 working cycles the delay time (On and Off) is reduced to zero in order to aid installation
- Available for supply 230 and 120 V AC (50/60 Hz)
- Prewired with silicone wire, 500 mm length (10.61 type)

10.42


- Two independent outputs - 2 NO 16 A

10.51


- Single pole switching - 1 NO 12 A
- Miniature size

10.61


- Single pole switching - 1 NO 16 A

For outline drawing see page 8

Contact specification

Contact configuration		2 NO (DPST-NO)		1 NO (SPST-NO)		1 NO (SPST-NO)	
Rated current/Maximum peak current	A	16/30 (120 A - 5 ms)		12/25 (80 A - 5 ms)		16/30 (120 A - 5 ms)	
Rated voltage/Maximum switching voltage	V AC	120/—	230/—	120/—	230/—	230/—	
Rated load AC1	VA	1900	3700	1400	2760	3700	
Rated load AC15	VA	400	750	300	600	750	
Rated current AC5a	A	—	5	—	—	5	
Nominal lamp rating:							
230 V incandescent/halogen W		—	2000	—	1200	2000	
fluorescent tubes with electronic ballast W		500	1000	300	600	1000	
fluorescent tubes with electromechanical ballast W		400	750	200	400	750	
CFL W		200	400	200	350	400	
230 V LED W		—	400	—	350	400	
LV halogen or LED with electronic ballast W		200	400	200	350	400	
LV halogen or LED with electromechanical ballast W		400	800	300	600	800	
Minimum switching load	mW (V/mA)	1000 (10/10)		1000 (10/10)		1,000 (10/10)	
Standard contact material		AgSnO ₂		AgSnO ₂		AgSnO ₂	
Supply specification							
Nominal voltage (U _N)	V AC (50/60 Hz)	120	230	120	230	230	
	V DC	—		—		—	
Rated power AC/DC	VA (50 Hz)/W	2/—		1.5/—		2.5/—	
Operating range	AC (50 Hz)	(0.8...1.1)U _N		(0.8...1.1)U _N		(0.8...1.1)U _N	
	DC	—		—		—	
Technical data							
Electrical life at rated load in AC1	cycles	100 · 10 ³		100 · 10 ³		100 · 10 ³	
Threshold setting	lx	1...80		1...80		10	
Preset threshold	lx	10		10		10	
Delay time: switching ON/OFF	s	15/30		15/30		15/30	
Ambient temperature range	°C	-30...+70		-30...+70		-30...+70	
Protection category		IP 54		IP 54		IP 54	
Approvals (according to type)							