

## Features

Relays for automatic control of lighting according to the ambient light level

Integral photoelectric sensor

For pole or wall mounting

**10.42 - Two independent 16A outputs with individual lux setting**

**10.51 - Miniature single 12A NO output**

- Sensitivity adjustment from 1 to 80 lux
- Cadmium free contact material
- Cadmium free photo sensor (IC photo diode)
- Electronic circuit - transformer isolated (10.42 type)
- Patent pending for the innovative principle of "light feedback compensation" (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)

	10.42	10.51
	<ul style="list-style-type: none"> <li>• Two independent outputs - 2 NO 16A</li> </ul>	<ul style="list-style-type: none"> <li>• Single output - 1 NO 12A</li> <li>• Miniature size</li> </ul>

Contact specification		10.42		10.51		
Contact configuration		2 NO (DPST-NO)		1 NO (SPST-NO)		
Rated current/Maximum peak current	A	16/30 (120 A - 5 ms)		12/25 (80 A - 5 ms)		
Rated voltage/Maximum switching voltage	V AC	120/—	230/—	120/—	230/—	
Rated load AC1	VA	1,900	3,700	1,400	2,760	
Rated load AC15	VA	400	750	300	600	
Nominal lamp rating:	incandescent	W	1,000	2,000	600	1,200
	compensated fluorescent	W	400	750	200	400
	uncompensated fluorescent	W	500	1,000	300	600
	halogen	W	1,000	2,000	600	1,200
Minimum switching load	mW (V/mA)	1,000 (10/10)		1,000 (10/10)		
Standard contact material		AgSnO <sub>2</sub>		AgSnO <sub>2</sub>		
Supply specification		10.42		10.51		
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	120	230	120	230	
	V DC	—		—		
Rated power AC/DC	VA (50 Hz)/W	2/—		1.5/—		
Operating range	AC (50 Hz)	(0.8...1.1)U <sub>N</sub>		(0.8...1.1)U <sub>N</sub>		
	DC	—		—		
Technical data		10.42		10.51		
Electrical life at rated load in AC1	cycles	100 · 10 <sup>3</sup>		100 · 10 <sup>3</sup>		
Threshold setting	lx	1...80		1...80		
Preset threshold	lx	10		10		
Delay time: switching ON/OFF	s	15/30		15/30		
Ambient temperature range	°C	-30...+70		-30...+70		
Protection category		IP 54		IP 54		
Approvals (according to type)						