

Tvilight's automatic over-voltage, under-voltage protection (OVP) device safeguards LED streetlight as well as the lamp controller from extreme grid voltage fluctuations. If the mains voltage exceed threshold, the OVP quickly and reliably cuts-off the circuit momentarily to achieve electrical protection as well as ensure personal safety.

Modular and compact design helps to install the OVP inside the junction box (at the bottom of the street pole). It is a highly recommended product for areas where the grid-voltage could fluctuate more than 10%.



Specification

Rated AC voltage and frequency	230 VAC 50/60 Hz
Passing max current	40 A
Max. loading power	8.8 KVA (purely resistive circuit)
Over-voltage action cut-off value	270 ± 5 VAC
Under-voltage action cut-off value	170 ± 5 VAC
Normal-voltage value	175 - 260 VAC
Action delay time	≤ 2 seconds
Recovery delay time	≤ 60 seconds
Self power consumption	< 2 W
Product design life	≥ 100000 times
Dimension	77 × 36 × 65 mm

Dimensions

