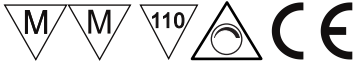


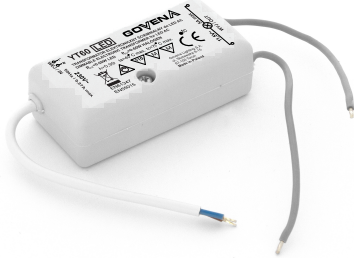
Dimmable electronic transformer for LED AC TEG-YT-60TE

GOVENA



LED **IP 40**

Dimmable electronic transformer dedicated to work with **12V LED** lamps (provided that the lamp manufacturer guarantees correct operation with an electronic transformer) and with low-voltage halogen lamps.



Properties:

- Cooperation with light dimmers: triac (leading edge phase control) and transistor (trailing edge phase control).
- Cooling by free air convection.
- 100% full load burn-in test.
- Galvanic separation.
- Isolation between the primary and the secondary circuit: 3.75 kV AC.
- Reversible protections: short circuit, overvoltage, overload (load > 200% Pn) and thermal (shutdown temp. 100°C).
- Non-flammable housing.
- No surge when switched on.

The construction of the transformer allows:

- Connection of any load, e.g. 1W, when used LED light sources must be followed to the manufacturer's instructions light sources due to the nature of the AC output voltage with a frequency of about 30kHz.
- Regulation of lighting intensity in the full range from 0% to 100%.
- Connecting multiple transformers to one dimmer.
- Installation in buildings with an undetermined flammability class of the substrate, e.g. furniture.

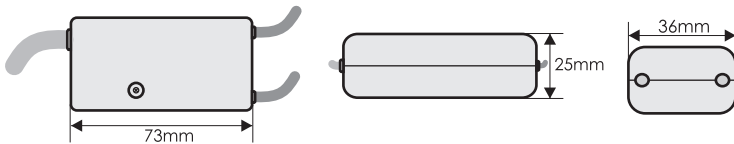
SPECIFICATION	
INPUT VOLTAGE	230VAC +/- 10% 50Hz
INPUT CURRENT	0.27A max
POWER RANGE	0-20W (LED) 0-60W (halogen)
OUTPUT VOLTAGE	11.5VAC max. 5A
OUTPUT FREQUENCY	30kHz-35kHz (Measure TRUE RMS 100kHz)
POWER FACTOR (PF)	>0.99
AMBIENT TEMPERATURE	0°C do +40°C
EFFICIENCY (average)	95%
SAFETY CLASS	—
INPUT TERMINALS	2 x 0.5 mm ²
OUTPUT TERMINALS	2 x 1.0 mm ²
WEIGHT	75g

Compliance with standards

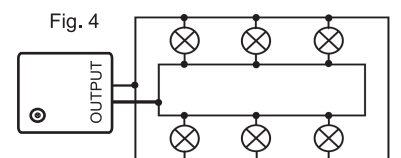
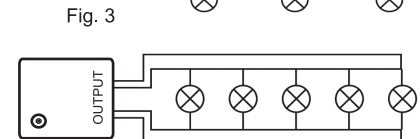
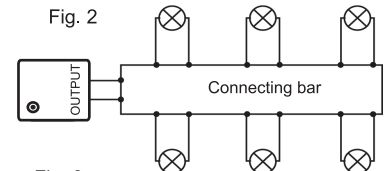
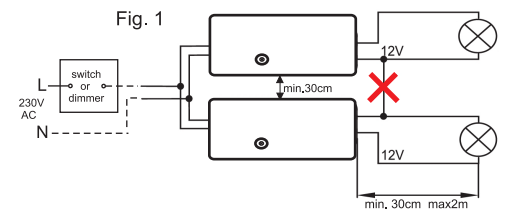
- EN61347-1
- EN61347-2-2
- EN55015
- EN61547
- EN61000-3-2
- LVD 2014/35/EU
- EMC 2014/30/EU
- ErP 2009/125/EC
- (No. 278/2009, 1194/2012)
- RoHS 2011/65/EU
- RoHS 2015/863/EU

Installation information:

Dimensions: (L x W x H) 73mm x 36mm x 25mm.



- Light dimmer should be installed on power input wire leading to transformer (Fig.1)
- Don't connect transformers outputs (Fig.1)
- When output wires have diameter higher than 4 mm², there should be used connection bar to connect lamps (Fig.2)
- When distance between transformer and halogen lamps is big use connection as shown to Fig.3 don't use series connection.
- Bigger number of halogen lamps, connect as shown on diagram Fig.4
- The output cables should be as short as possible (max. 2 m), routed twisted pair or parallel wires (Fig.5)
- Make sure that the individual bulbs are correctly connected (Fig.5)
- Install in places with good air flow, away from heat sources.



Minimum cross section of input wires for nominal load	Total cross section for the output wires of nominal load
2 x 0.5 mm ²	2 x 1.0 mm ²

Minimum cross section of output wires for 1 lamp 12V	
20W	0.5 mm ²
35W	0.75 mm ²
50W	1.0 mm ²

