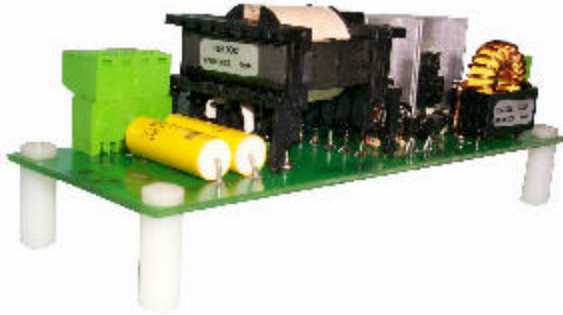


SOX18-36_MOSFET – ELECTRONIC BALLAST FOR SODIUM LOW PRESSURE LAMPS – Instruction Manual



SOX18-36_MOSFET

Lighter for sodium low pressure lamps.
Ideal for the use with the following sodium lamps: SOX-E 18 – SOX-E 26 – SOX E 36.
The average efficiency is of 92%.
The power supply is at 12VDC.
Direct connection to the following battery charger systems: SPB06, SPC10, SPC15, SPC05, SPC06T.

First of all

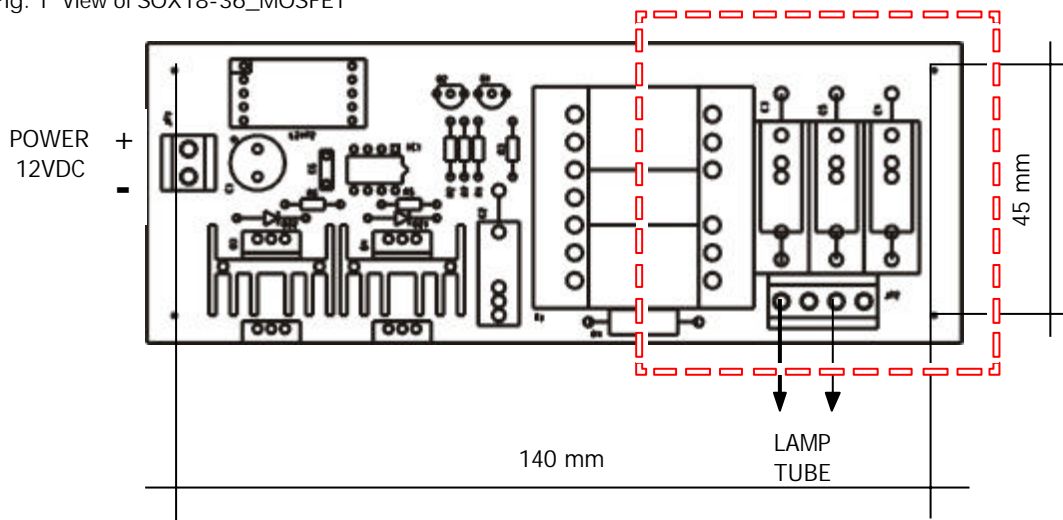
Remove carefully the packages which protect the SOX18-36 and verify the integrity of each part.

Fixing (installation) of the lighter

Choose the more suitable place for the positioning of the electronic ballast, doing as follows:

- Avoid humid places.
- Do not expose it to direct sun radiation.
- Install it in a place which is easily accessible, well airy and without pushes and vibrations.

Fig. 1 View of SOX18-36_MOSFET



CAUTION:

- The section which is on the right side of the elevator transformer (shown in the drawing) is subjected to high voltage.
- Avoid any kind of contact with this zone, during the normal working of the device.
- Maintain the due insulation with the surrounding parts (1 cm in air).

Characteristic	Min	Typ.	Max	Unit	
Operating Voltage	10	12	15	VDC	
Peak Start up current	5	6	7	A	
Operating Frequency	18.5	19	19.5	KHz	
Output Voltage (no load)	415	500	620	V RMS	
Efficiency	91.5	92	92.5	%	
Operating Ambient Temperature	-10	+25	+60	°C	

As regards the electro-magnetical emissions, we advise to put the circuit inside a shielded metallic container.