

DATA SHEET

ZG 8 Hg

**HR self stopping ignitor for HID and Hg lamps
For electronic and magnetic ballasts**

Features

- Revolutionary system needs no external power source, self synchronisation with ballast
- Suitable for lamps with operating voltages up to 250V AC
- Nominal current of up to 9A with natural convection
- Self dynamical timing operation
- Extremely low noise operation @ rectangular waveforms
- Compliant to RoHS-directive 2011/65/EG
- Single Phase operation of 230Vrms - 40Hz/440/Hz
- DC and rectangular input voltage of up to 400Vrms
- Terminals for M3 screws and cable shoes

Please read this information carefully,
before installing and operating the power supply!

ZG 8 Hg

TECHNICAL DATA

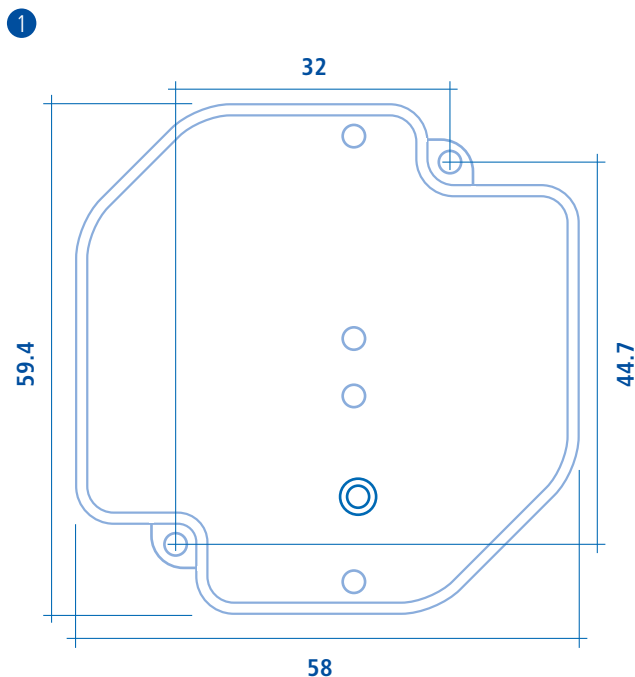
Maximum current	9A (For US-applications, refer to figure 2 for temperature limitations regarding ambient temperature)
Temporary over current < 90 s within a period of 5 minutes	11 A
Ignition voltage	+/- 14kV
Input voltage range	AC-DC 0-300 V / threshold for ignition > 150V
Operation mode	Symmetrical
Ignition mode control	Self stopping ignitor ca. 2 sec.
Pulse rate	Approximately 100/sec.
Repetition rate	Depend on ballast
Case temperature	90°C max
Ambient temperature	75°C or for US-applications $T_{max} = 90^{\circ}\text{C} - 0.68^{\circ}\text{C}/\text{A}^2 \cdot \text{I}^2$ whatever is higher, details refer to figure 2
Cable length	HV to lamp 30 cm max. for hot re-ignition (50 cm cold) LV from ballast, limitation according to ballast spec.
Dimensions (L x W x H)	59,4 x 58 x 25mm 1
Weight	About 130g
Connectors	High Voltage and Low Voltage cables

REGULATORY SPECIFICATIONS

Safety	According to IEC (UL) 60950-1
RoHS	According to 2011/65/EG

For detailed information please contact ralf@rotec-gmbh.com or info@rotec-gmbh.com

Technical modifications and errors excepted.



2 MAXIMUM AMBIENT TEMPERATURE IN US-APPLICATIONS VS. AVERAGE LAMP CURRENT

