

# Ignition spark generator

For atmospheric gas burners. Mains and high-voltage cables with plug connectors.



The ZT 870 ignition spark generator is suitable for use with for fully automatic ignition of atmospheric gas burner systems.

#### **CONSTRUCTIONAL FEATURES**

The transformer windings and the controlling electronics are contained in a temperature and impact resistant plastic housing, and sealed in a PU resin material which provides optimal protection from dampness and dirt.

One of the two mounting lugs is also designed to provide the earth/ground connection. Plug connectors for the mains and high voltage cables allow quick and simple installation.

# **DESCRIPTION OF OPERATION**

An electronic circuit produces approx. 50/60 sparks per second. The voltage of these sparks is increased by the transformer to approx. 16 kV.

The secondary voltage as well as the spark energy are independent of the mains frequency and mains voltage.

A reduction in the mains voltage simply causes the spark rate to drop, or respectively, to rise, should the mains voltage be too high.

Interference to ionisation flame detection is avoided by the very short spark interval and also by the stability of the ignition spark.

### **INSTALLATION INSTRUCTIONS**

The applicable installation regulations must be observed when mounting and wiring the unit.

The ignition cable should be kept as short as possible in order to avoid radio interference and a drop in performance. The compact dimensions and simple installation procedure allows the ZT 870 ignition spark generator to be positioned close to the ignition electrode.



#### **TECHNICAL DATA**

Supply voltage

or

Connections: Live / neutral Earth High voltage Power consumption

Switched on time Interference level Ignition voltage Ignition current Spark frequency Energy per spark Spark gap Ignition cable

Insulation standard Permissable ambient temperature Mounting attitude Weight

220 / 240 V (-15... +10%) 50 / 60 Hz

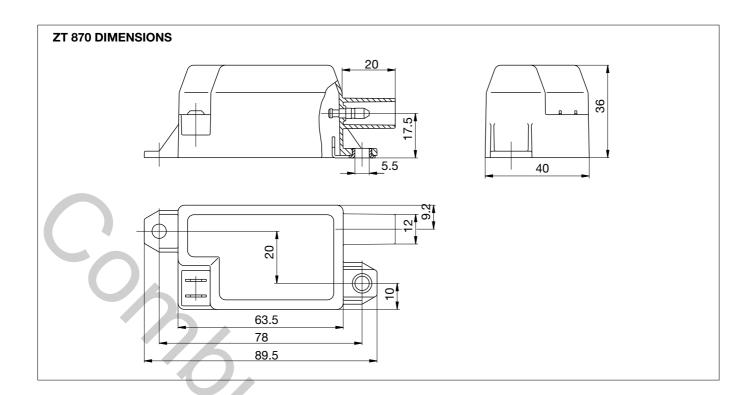
110 / 120 V (-15... +10%)

50 / 60 Hz

Satronic 2-pin angled plug Mounting plug ø 4 mm plug 17 mA (220 / 240 V) 22 mA (110 / 120 V) 50% in 3 min. meets EN 55014 16 kV (amplitude) 200 mA (amplitude) Approx. 50 / 60 Hz 4 mJ 2... 5 mm Silicone, ø 7 mm Standard length, 30 cm

-20° C... +60° C any 220 g

IP 40



## **ORDERING INFORMATION**

**DESIGNATION ITEM NO ITEM** Ignition transformer ZT 870 13000 13010 ZT 870 110V or Mains cable ZT 870 supply cord 0.3 m 7293001 ZT 870 ignition cable 0.3 m Ignition cable 72730 ZT 870 ignition cable 1 m Alternative ign. cable 72710

The above ordering information refers to the standard version. Special versions are also included in our product range.

Specifications subject to change without notice.



