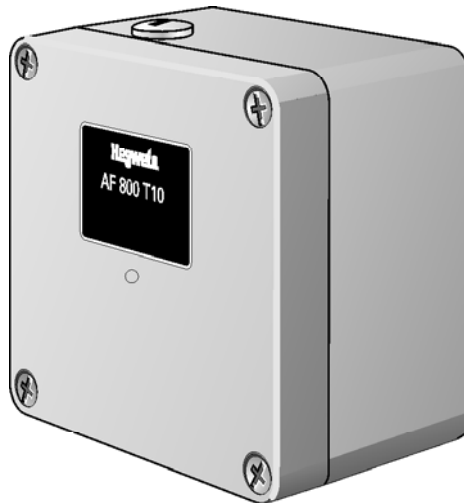




Ignition Transformer AF...

In cast aluminium housing



Designed to work with HEGWEIN - Burners and Ignitors of the BG...or ZG... series

1. Part Numbering System

AF...	Standard version	220-230 V	50/60 Hz
AF... /00F	Special version	110-120 V	50/60 Hz

2. Technical Data

Type	AF 700 T 20	AF 800 T 10	AF 900 T 10	AF 800 T 51
Supply voltage*	220/230 V 50/60 Hz	220/230 V 50/60 Hz	220/230 V 50/60 Hz	220/230 V 50/60 Hz
Power consumption	2 x 100 VA	100 VA	100 VA	100 VA
Ignition voltage	2 x 5 kV	5 kV	5 kV	5 kV
Duty cycle	20%	20%	100%	20%
With thermal winding protection	yes	yes	no	yes
Protection	IP 65	IP 65	IP 65	IP 65
Dimension L x B x H in mm	162 x 162 x 95	122 x 122 x 85	162 x 162 x 95	122 x 122 x 85
Weight	4 kg	1,9 kg	3,5 kg	1,9 kg
Ambient temp.	-20° to 60°C	-20° to 60°C	-20° to 60°C	-20° to 60°C
Note	Ignition: Electrode against Electrode possible	Ignition: Electrode against ground	Ignition: Electrode against ground	for Ignitors with 1-Electrode for ignition and monitoring flame

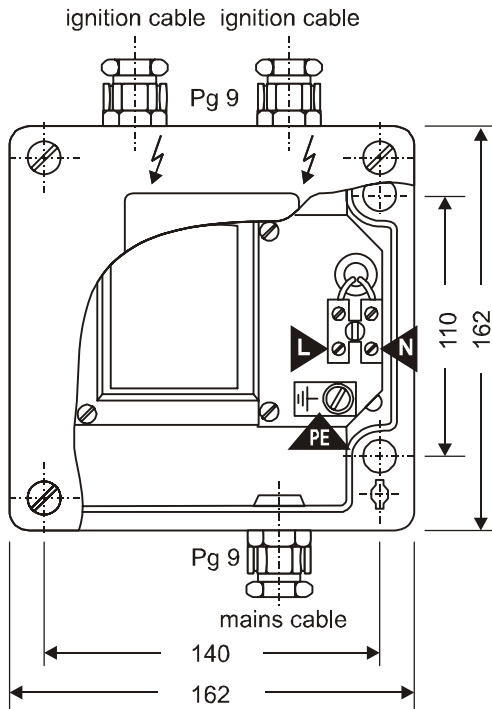
*) see part numbering system

3. Features

- High tension ignition transformer according to VDE 0550 for ignition of gas- and oil burners.
- Transformers are designed with separate winding and PE-terminal

4. Dimensions and Electrical Connection

AF 700 T 20



Electrical connection

Primary

Terminal L/N: Supply voltage
Terminal PE: Ground

Secondary:

H.T. Pins ⚡: Ignition cable

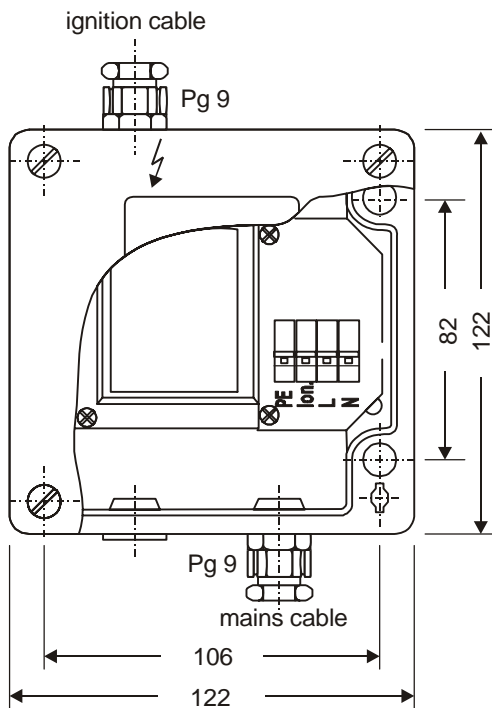
Mounting dimensions:

4 x Ø 6 mm
110 x 140 mm

Available spare part:

Single transformer Z 549 K 230

AF 800 T 10



Electrical connection

Primary

Terminal PE: Ground
Terminal Ion.: not connected
Terminal L/N: Supply voltage

Secondary:

H.T. Pin ⚡: Ignition cable

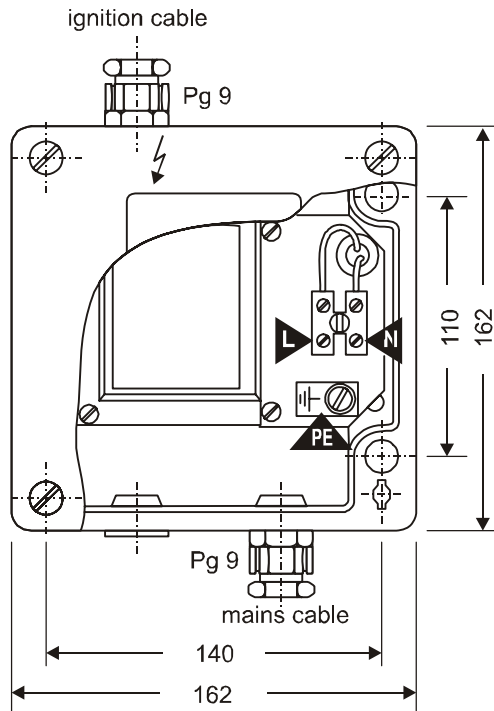
Mounting dimensions:

4 x Ø 6 mm
106 x 82 mm

Available spare part:

Single transformer Z 549 K 230

AF 900 T 10



Electrical connection

Primary

Terminal L/N: Supply voltage
Terminal PE: Ground

Secondary:

H.T. Pin ⚡: Ignition cable

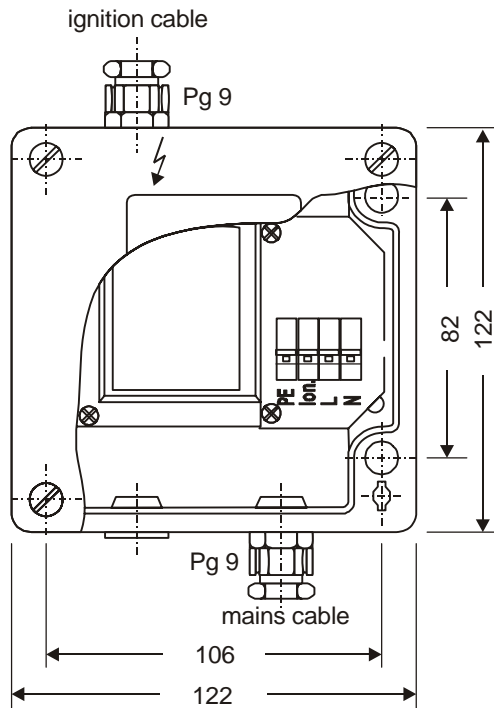
Mounting dimensions:

4 x Ø 6 mm
110 x 140 mm

Available spare part:

Single transformer Z 546 K 230

AF 800 T 51



Electrical connection

see next page

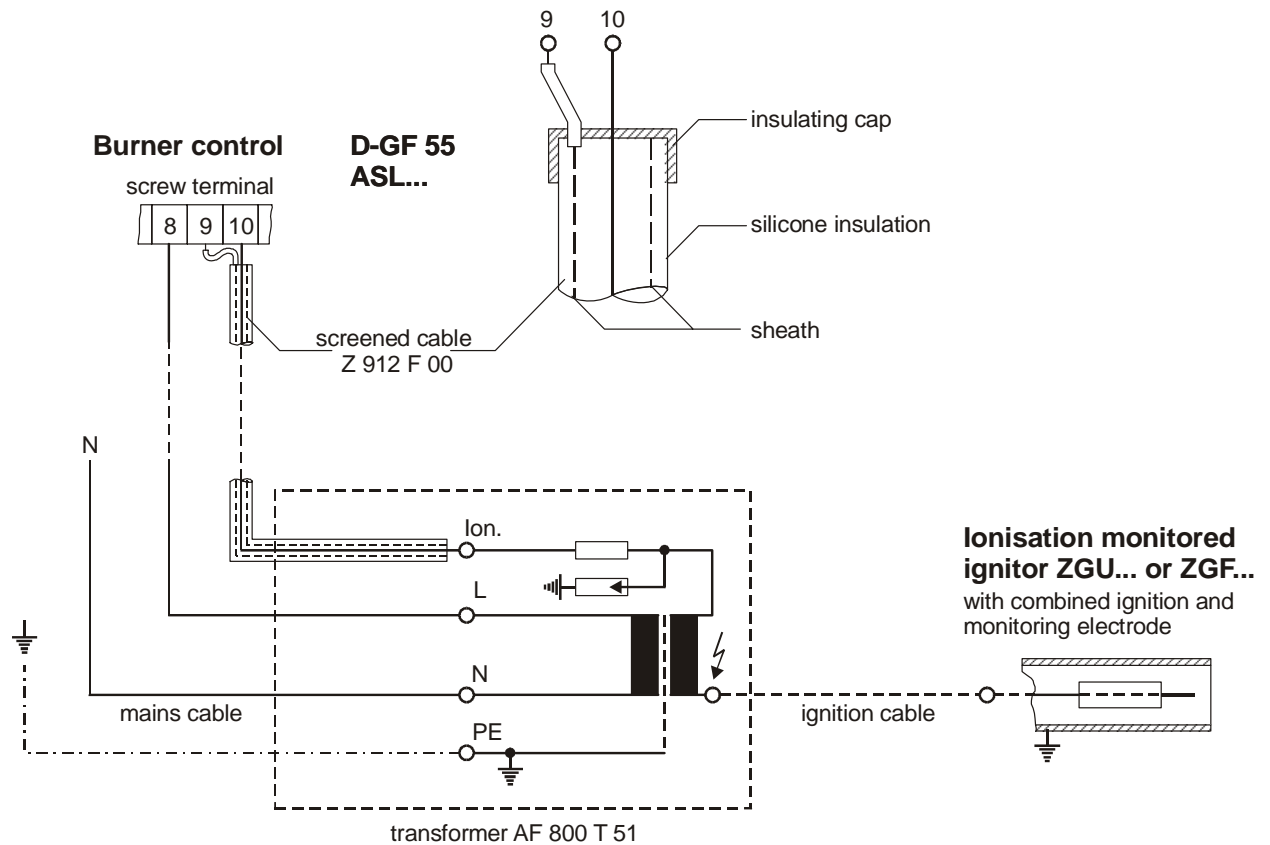
Mounting dimensions:

4 x Ø 6 mm
106 x 82 mm

Available spare part:

Single transformer Z 549 K 230

Electrical connection AF800T51...



Storage and Installation Instructions

Device are to be stored in a dry and dust-free place. Ambient temperature during storage shall be 0 – 60°C. No operation and storage below dew point. Moisture must not exceed 60%. Device shall be protected from mechanical damages.

The ignition cable should not be longer than 1.0 m .
 The length of the shielded cable may be up to max. 100 m .
 The shield must not be connected to earth!
 Connect th shield at terminal 9 of the burner control only.
 Provide both tips of the screened cable with insulation caps
 Shield voltage to ground: appr. 110 V ~

Note: Terminal 10 must be earthed if the transformer AF 800T51 is used only for ignition, but not for flame monitoring.

In case of a break down the unit has to be returned to the manufacturer for inspection.

Note

1. **Installation and maintenance procedures may only be carried out by authorized personnel.**
2. **All local regulations must be observed during installation.**
3. **Improper installation, alignment and maintenance, as well as modifications by the customer, can all lead to personal injury or property damage, as well as loss of warranty.**