Astechnic
诺 一

AIC11
Flame Controller

Foshan NUOE Combustion Control Technology Co., Ltd.
Tel: 4000-8397-18 Web: http: //www. astechnic.net E-mail: Astechnic @ 163.com

Foshan NUOE Combustion Control Technology Co., Ltd.

AIC11 Flame Controller

Overview

AIC11 is a high-energy electronic ignition transformer, open-fire arc, reliable ignition. It is suitable for integrated burners, radiation tube burners, high-speed burners, industrial furnaces and other combustion devices, gas such as natural gas, coke oven gas, blast furnace gas, fuel, etc., with the characteristics of large ignition energy, longer ignition time, stable and reliable operation.

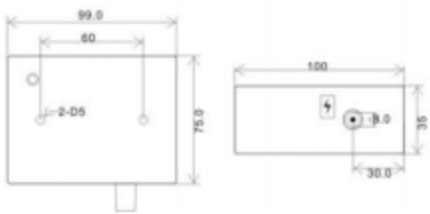
AIC11 has the following advantages:

- At the same power, it has the characteristics of small volume and light weight, and the short circuit will not be damaged at the moment of ignition.
- Modular structure, installation and wiring is very convenient.
- It is suitable for use with AIC10.
- It has high reliability and strong ignition.

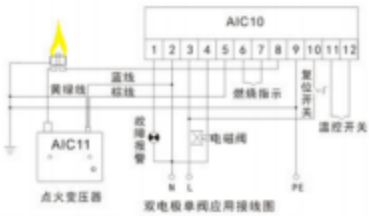
Technical Parameters

- Input: AC220V 50Hz 0.2A
- Output: ≥10KV 20mA
- Ignition efficiency: 100% ED
- Wiring form: three-wire system
- Maximum power consumption: 35W
- Ignition distance: 3-6mm
- Operating temperature: - 20~+60° C
- Dimensions: 99.5*75*40mm

AIC10 Installation dimension drawing



AIC10 and AIC11 wiring diagram



Application wiring diagram of double-electrode single valve

Wiring definition: 1. Brown wire connected to live wire; 2. The blue line is connected to the zero line; 3. The yellow and green wire grounding brown wire (live wire) is connected to the AIC10 controller; The blue wire (neutral wire) of terminal 5 is connected to the AIC10 controller, and the yellow and green two-color wire of terminal 2 is grounded

Product Code

No.	Product Code	Product Model	Description
1	114020110001	AIC11	Three-wire electronic ignition transformer, two-electrode application.

Precautions

- AIC11 cannot be installed in the following environments
  a. Where there are special chemicals and corrosive gases (ammonia, sulfur, chlorine, ethylene, acid gas, etc.).
  b. In water, in humid (humidity not exceeding 90%) or in dewy environment.
  c. Places where the temperature is too high and vibrates frequently.
- The working ambient temperature of the ignition transformer is-20 °C and 60 °C. Please do not work at too high temperature for a long time, otherwise it will affect the service life of the ignition transformer.
- In general, the ignition transformer can be installed near the ignition burner. If the temperature near the ignition burner is higher than 60C, it can be installed away from the ignition burner.
- The yellow-green two-color wire of the ignition transformer must be reliably connected to the shell of the burner and well grounded.
- The high voltage output interface of the ignition transformer must be tightened so as not to burn out the interface due to poor contact.
- In order not to interfere with the normal operation of other equipment, the high-voltage output line of the ignition transformer should not be worn in the same pipe with the signal line of other equipment, but should be run separately, and the length of the high-voltage wire should not exceed 1 meter.
- Please make sure that the ignition output circuit of the ignition transformer is not short-circuited, which will cause permanent damage to the ignition transformer for a long time.