



A FS258 Combustion Controller



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AFS258 Combustion Controller

Overview

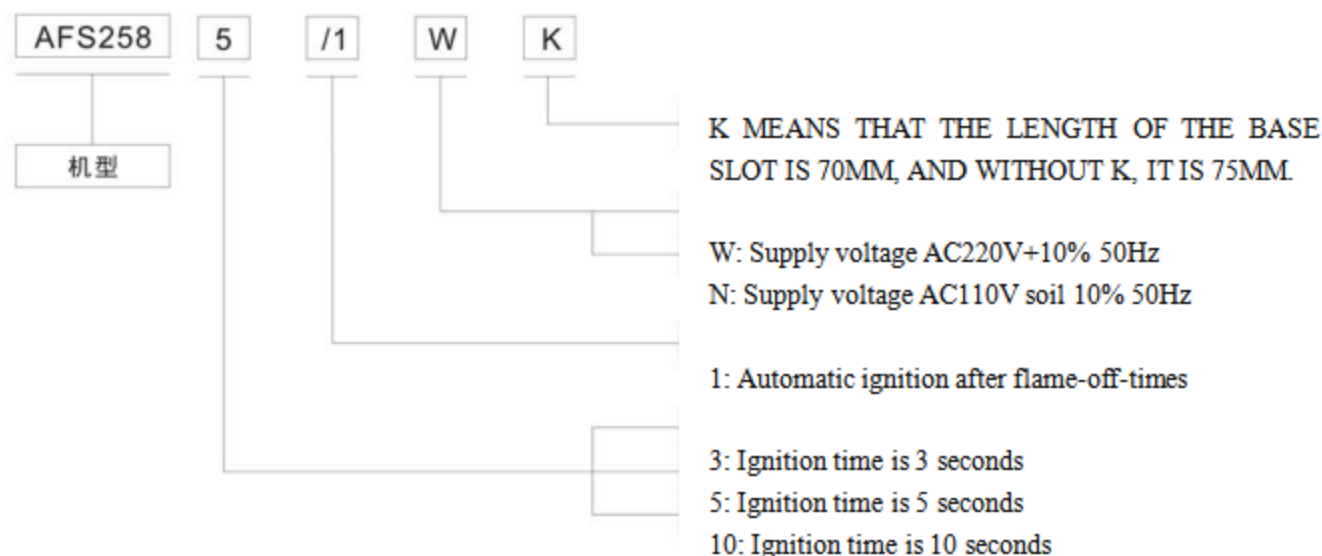
AFS258 combustion controller adopts advanced intelligent control chip, intuitive digital tube display, reliable industrial-grade components, strong anti-interference. The ignition transformer is built into a controller to form an integrated combustion controller, which can replace the local control cabinet.



Technical Parameters

- Power supply voltage: AC220V soil 10% 50Hz
- Maximum power consumption: 10W
- Terminal load: 2A
- Flame detection current sensitivity: adjustable between 2uA, factory default 2uA
- Ignition time: 3S, 5S, 10S are available, factory default 5S
- Operating temperature: -20~+60° C
- Protection class: IP40
- Flame detection cable length: 75m for electrode detection and 100m for UV probe

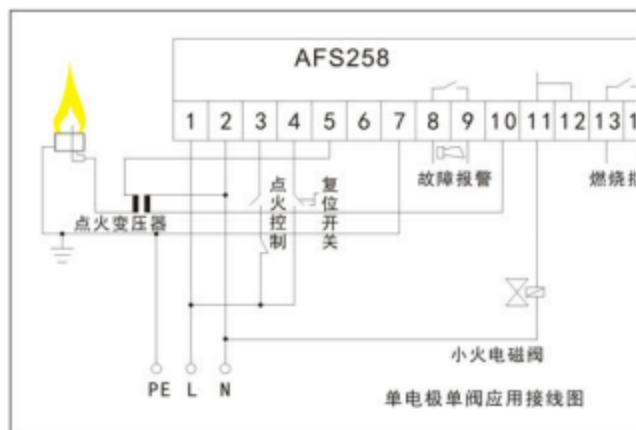
Type selection table



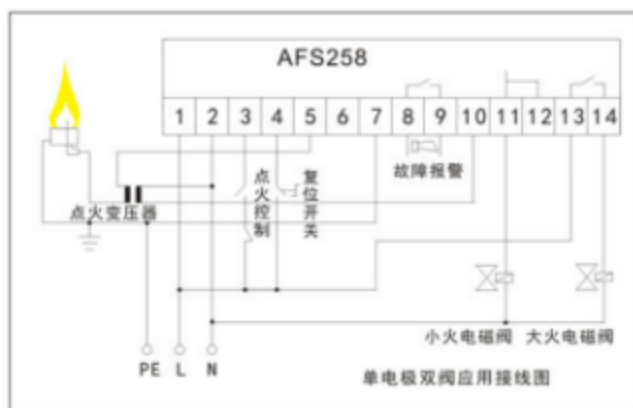
Note: On the AFS258 ignition controller, the housing is available in two colors, black and gray, and the color code is different.

Please pay attention to the selection code when placing an order, please refer to the product code table for details.

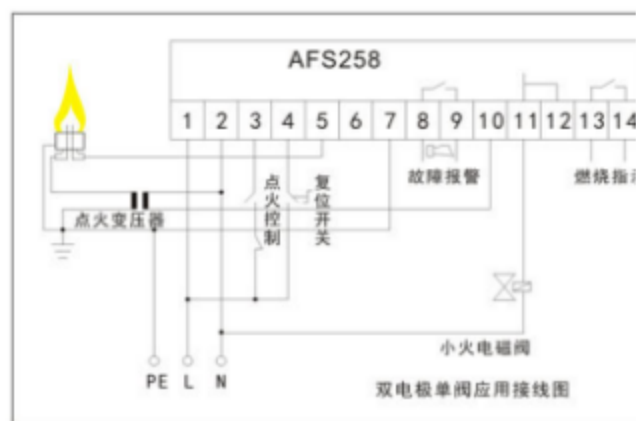
Wiring



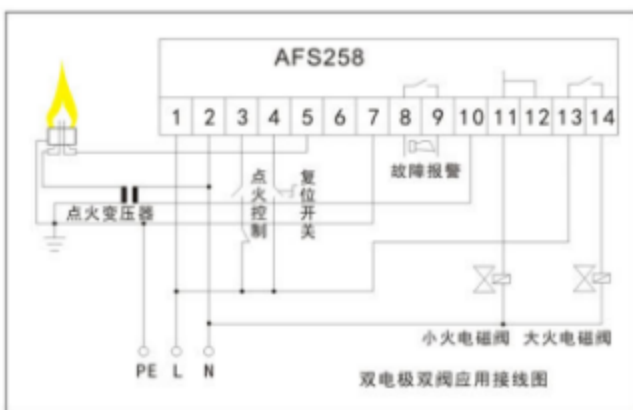
Application wiring diagram of single electrode and single valve



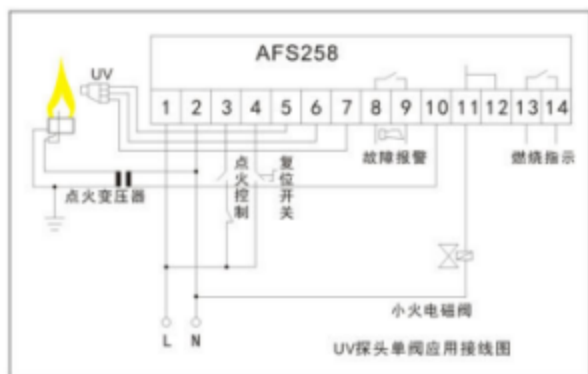
Application wiring diagram of single electrode and double valve



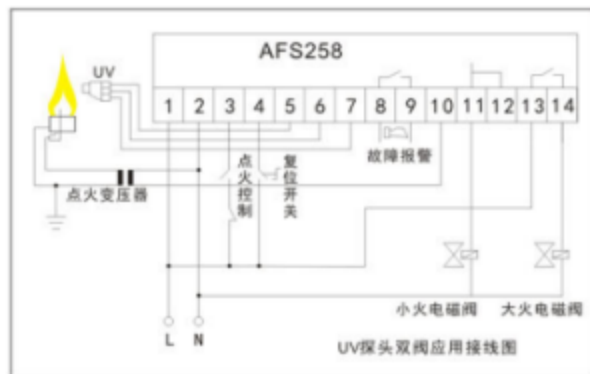
Application wiring diagram of double-electrode single valve



Application wiring diagram of double electrodes and double valves



Application wiring diagram of UV probe single valve

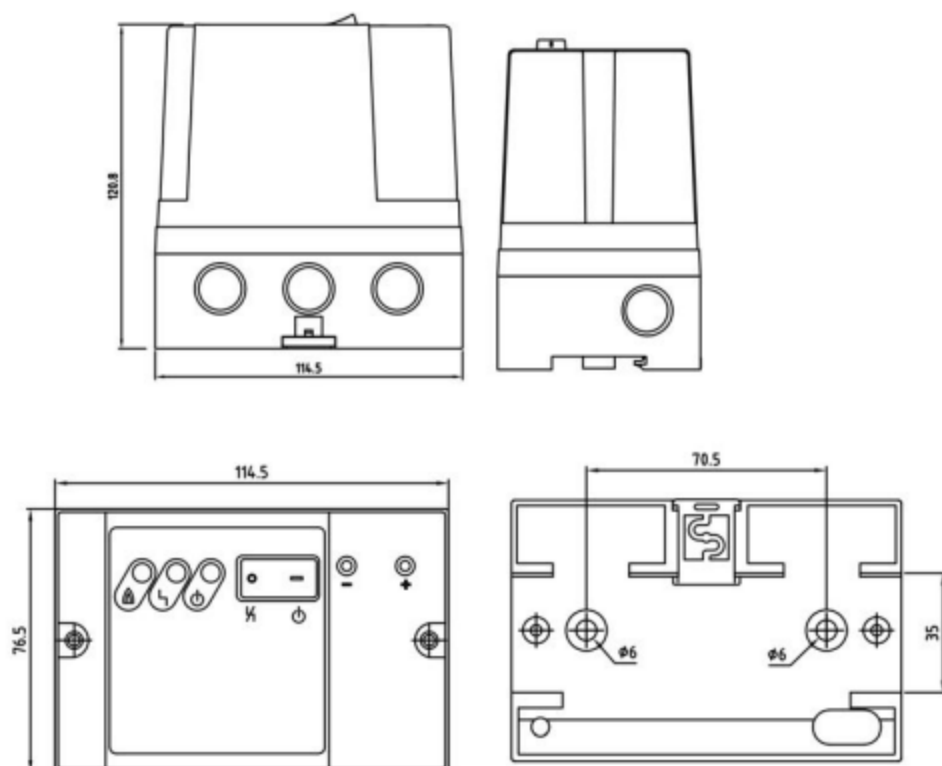


Application wiring diagram of UV probe double valve

Pin Description:

1: Line of Fire (L); 2: Neutral line (N); 3: Work enablement; 4: Remote reset; 5: Flame detection; 6: UV power supply; 7: Detection site; 8, 9: Fault alarm; 10: Fire output; 11, 12: Solenoid valve; 13, 14: Combustion indication

Installation dimension drawing



Precautions for Installation

- AFS258 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 supply voltage should not exceed AC240V, otherwise the controller will be burnt out.
- Ignition transformer ignition high voltage cable wiring must be isolated from other wiring at a distance of at least 10CM.
- The ground wire of the ignition transformer must be connected to the metal shell of the burner.
- The F and G of the UV flame detector must be separated from other wires, take a separate conduit or use shielded wires.
- The installation position of the ultraviolet flame detector can not correct the ignition spark, so as not to fail the self-test.
- The AFS258 ignition controller does not have the purge function before ignition, so it is important to determine whether the purge function is required when selecting it.
- Please make sure that the ignition ground wire is properly grounded and that the grounding resistance is less than 10 Ω .
- Please make sure that the detection electrode is in contact with the flame and that the electrode lead is in good contact.