



AFW15

Flame Detector



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AFW15 Flame Detector

Overview

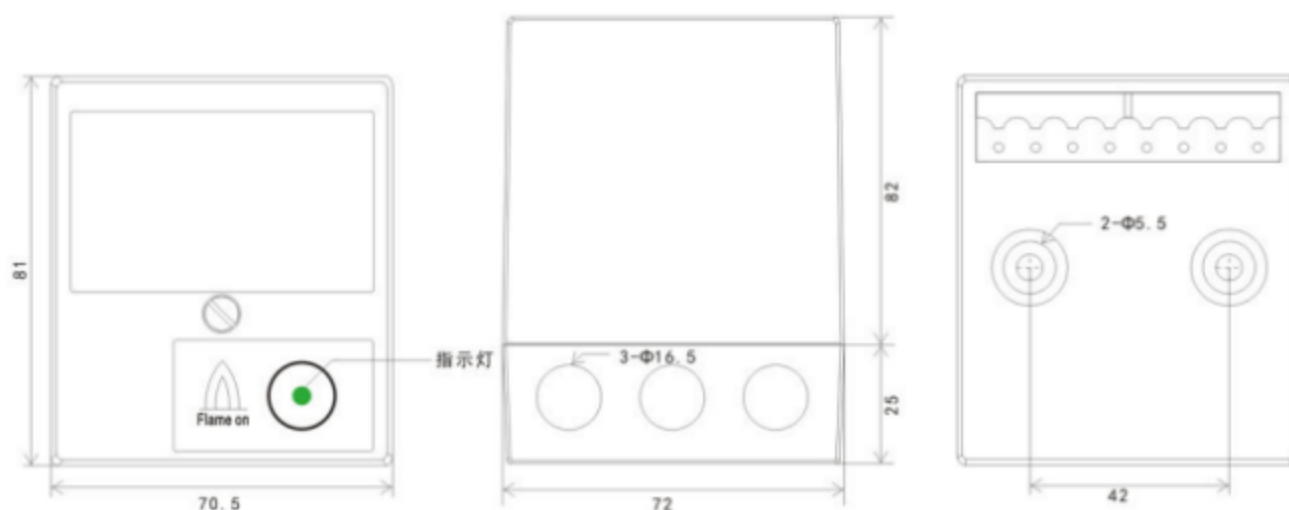
AFW15-T is a highly sensitive flame detector. The flame monitor is used by connecting with flame sensors such as UV probes and ion electrodes. After the flame monitor is powered on, it immediately enters the state of flame detection. If a flame is detected in the combustion device, the weak signal from the flame sensor is amplified by the internal signal amplification circuit to drive the relay action, so as to achieve more control over the external system.



Technical Parameters

- Two sets of passive relay outputs (one normally closed, one normally open)
- Flame detection can be achieved by connecting to an ionization rod or UV probe.
- Built-in signal amplifier with high flame detection sensitivity.
- If a flame signal is detected, the green light is lit.
- High-strength, heat-resistant plastic housing, plug-in lid, terminal blocks in the base, ground and neutral terminal blocks pre-connected.
- There are 5 threading holes on the base to install PG9(B) cable glands.

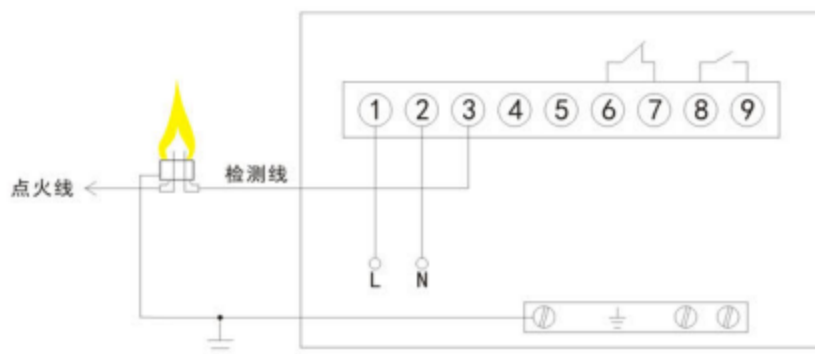
Outline dimension diagram of



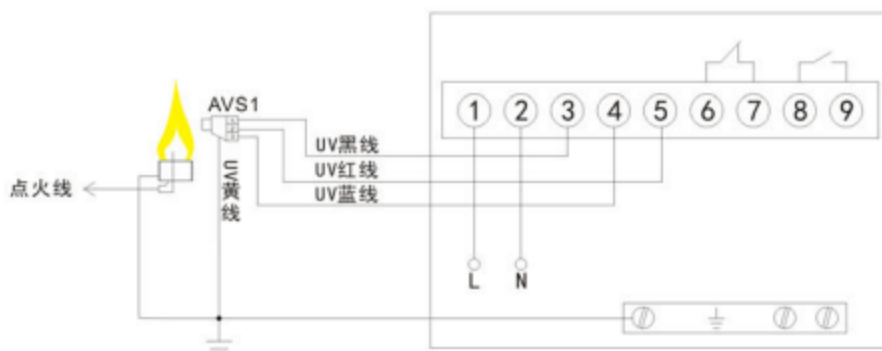
Wiring

■ Wiring diagram

Wiring definition: 1. Black line: detection line; 2. Red line: live wire (L); 3. Blue line: zero line (N); 4. Yellow line: grounded



Ion probe and AFW15-T wiring diagram



UV probe and AFW15-T wiring diagram

Precautions for Installation

- AFW15-T 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 maximum length of the flame detection line is 50 meters (without interference).
- Please make sure that the ignition ground wire is properly grounded and that the grounding resistance is less than $10\ \Omega$.
- Please make sure that the detection electrode is in contact with the flame and that the electrode lead is in good contact.