

## **IPES IRUV Frequently Asked Questions**

### **Is the IPES IRUV a flame detector or a flame scanner? What is the difference?**

The IPES IRUV is an optical flame detector that alarms when there is a presence of flame within its 90-degree conical optical field of view with a detection range of 100 feet. The IPES IRUV is not a flame scanner. Flame scanners have the opposite function of the flame detectors, they constantly monitor the flame and alarm if the flame characteristics change or the flame is extinguished. Flame scanners are typically used in burner applications to constantly monitor the flame.

### **What are the signal outputs from the IPES IRUV?**

The IPES IRUV flame detectors have the following signal outputs: 4-20mA analog RS485, and Relays.

### **Can the IPES IRUV Relays settings be configured in the field?**

The relays can only be configured at the factory. The default settings are Fire Relay: Normally Open, the relay is closed when in Fire alarm mode. The Fault is Normally Closed, the fault relay is open when in Fault alarm mode.

### **Which fuel type of fires can the IPES IRUV detect?**

The IPES IRUV flame detector detects all hydrocarbon fuel-based fires.

### **Can the IPES IRUV detect hydrogen fuel-based fires?**

The IPES IRUV can be configured at the factory to only use the UV sensor and be able to detect the hydrogen fire. The IPES UV only option is available for hydrogen-based fires.

### **If there is welding in the area, will the IPES IRUV alarm?**

Yes, if the welding is in the field of view of the flame detector, the sparks from welding may trigger the fire alarm.

### **Does the IPES IRUV flame detector alarm when there is lightning?**

The IPES IRUV has two different sensors, ultraviolet and infrared. In order for the detector to declare a fire alarm, both sensors need to be activated. During lightning, likely only the UV sensor will be activated, the IPES IRUV will not false alarm when lightning is present.

### **What are the IPES IRUV LED indicators?**

The IPES IRUV has tricolor LEDs: GREEN is normal conditions, standby mode. AMBER: blockage of lens (dirty optics) or a fault condition. RED: fire alarm.

### **Does the IPES IRUV have an integrity self-check test?**

Yes, the IPES IRUV has a self-check test to ensure the sensors and electronic components are working as expected. If there is something wrong with the sensors or electronics, the IPES IRUV flame detector will go into a fault mode after the self-test.

**Can the IPES IRUV flame detector be repaired in the field?**

No, if there is an issue with the flame detector, contact the factory. Attempting to repair the IPES IRUV in the field will automatically void the warranty.

**What is the warranty for the IPES IRUV flame detector?**

The factory warranty is 5 years from the shipping date.

**What are the housing material options for the IPES IRUV flame detector?**

The IPES IRUV flame detector is available in both stainless steel and aluminum housings.

**What accessories are included with the flame detector?**

The mounting bracket, mounting hardware, and rubber protective sun visor are included the flame detector.

**Can the IPES IRUV flame detector be installed in a 2 inch pole?**

ESP Safety offers a 2inch installation kit for the flame detector. The kit needs to be purchased separately.

**How to test the IPES IRUV flame detectors in the field?**

The IPES IRUV flame detector can be tested using ESP Safety's ITES Test Lamp, which can be purchased separately. The ITES test lamp is powered by disposable batteries.