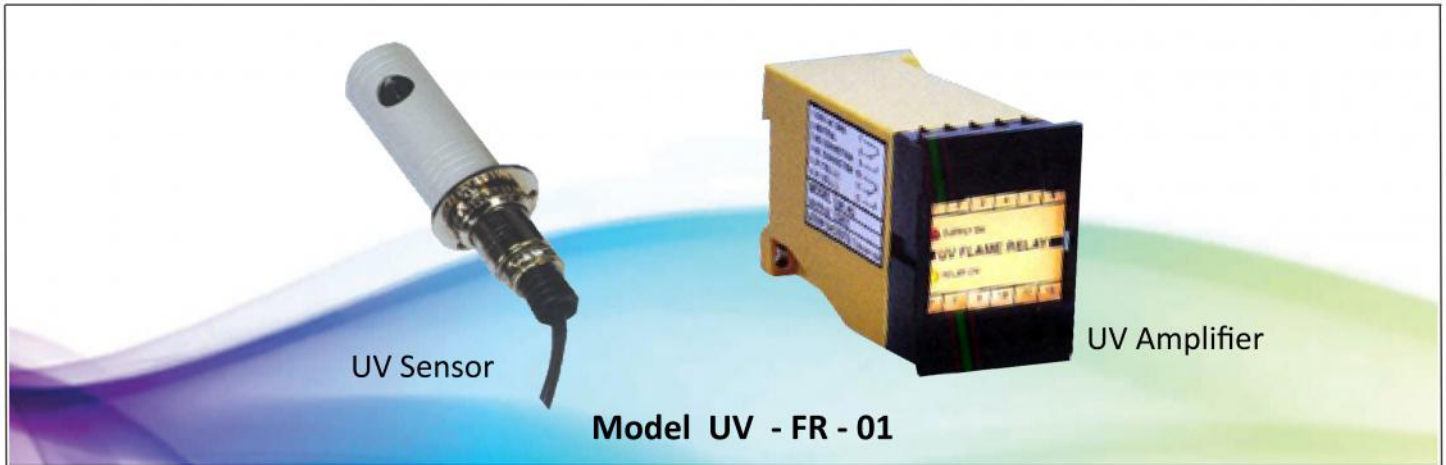


# UV Detector For Burner Control



Protects **Personnel, Plant  
& Assets**



## APPLICATIONS :

HNL UV Flame Sensor uses very sensitive electronic UV tube. The specially tuned UV tube is designed to detect UV radiations emitted by the naked flame. The UV Flame Sensor is insensitive to normal light and refractory glow in furnace walls. UV Sensor is ideally suited for detecting all types of flame, namely flames due to Gas / Coal / Oil fired burners in Boiler and Furnaces.

UV Sensor ( Model UV - 01 - AJ ) has been specially designed for harsh industrial environment. It provides for easy cleaning of the UV Sensor and viewing of the flame. UV Flame sensor is housed in a metal jacket to provide mechanical protection and various mounting features.

UV Flame Amplifier / Relay ( Model UV - FR - 01 ) is used in conjunction with UV Flame Sensor to detect various types of flames namely gas, oil, coal etc. The UV Flame Amplifier is essentially a stand alone unit, which has Two Potential Free relay contact outputs rated at 220 V AC , 4 Amps. The Output contacts can be used for alarm, annunciation or trip purposes. The front panel has indications for SUPPLY ON. This will turn ON when the supply is given. RELAY ON indicator confirms presence of UV radiation / flame.

Model UV - FR - 21, has a site adjustable time delay of 2 - 8 seconds and is useful for installations with high flicker situation.

UV Flame Amplifiers / Relay has been designed to work with Endee make UV Sensor UV - 01. However, it work satisfactorily with UV Sensors rated 220 V AC.rms of various other makes.

## SPECIFICATIONS :

- Temperature Range : -40 to 125 °C
- Response Time : Less than 1 second
- Relay Unit : 220 V AC, 50Hz 4 AMP
- Enclosure : IP40

*Note : Specifications and Features will vary with application. There may be changes overtime due to continous development process.*  
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**HNL Systems Pvt. Ltd.**

Administrative & Sales Office: 25/N, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai – 400 053, India. Tel : +91 22 4295 2180 / 81.

[www.hnlsystems.com](http://www.hnlsystems.com) | [sales@hnlsystems.com](mailto:sales@hnlsystems.com) | <https://www.facebook.com/HNLSYS>