

# Flame Rod

*Forney's flame rod is our most cost effective solution for flame sensing.*

## Product Overview

The Forney Flame Rod is a reliable and cost effective method of providing a solid state flame detection system. The three components of the system are (1) the flame sensing rod, (2) the controller and (3) the cable. The rod and the controller are connected with a single conductor cable.

At the time of ignition, the flame rod senses the flame, allowing the controller to automatically send an output indicating a "flame on" condition.

The flame sensor modules provide visual indication and electrical outputs that signal the user regarding flame presence in a combustion chamber. The module uses the flame rods to sense flame presence independently or as components in a burner management system. Many operational characteristics are provided including:

- Self-contained: 110 VAC, 50/60 Hz  
230 VAC, 50/60 Hz
- Flame Rod compatible
  - Flame ON/OFF LED indicator
  - 4-20mA permits direct reading of flame signal strength
  - Uses CE approved 11-pin relay base
  - Panel surface or DIN-rail mounting
  - Self-check

The unit provides a cost effective, self-checking method of monitoring flames using the ionization principle.

## Ambient Conditions

Operating temperature	-10 to 60 C (14°to 140°F)
Storage temperature	-40 to 85 C (40°to 185°F)
Humidity	75% RH @ 40 C (104°F)
IP Rating	IP 00 (encapsulated with unprotected connections)

## Features & Benefits

- **FLAME SENSING** - Safe and reliable method of flame sensing in a compact package.
- **APPROVALS** - CE approved
- **EASY INSTALLATION** - Only one input (power in) and one output (power out).
- **COMPATIBILITY** - The Flame Rod is compatible with Forney igniters.
- **LOW MAINTENANCE** - No moving parts, operating environment 14°F to 140°F

