



# FLAME DETECTOR SELECTION GUIDE

Forney's flame detectors are used world-wide to prove the presence and absence of flames in utility or industrial boilers firing solid, liquid or gaseous fuels. Use this table as a general rule for the selection of your flame detector.

		Natural Gas	Oil	Coal	Lignite	Coal & Gas	Coal & Oil	Lignite & Gas
<b>Unitized Detectors (amplifier included)</b>								
	<b>HD Flame Detector</b> IR sensor 900 - 1700 nm UV sensor 210 - 390 nm	P	P	P	P	P	P	P
	<b>UniFlame® I</b> IR sensor 700 - 1700 nm UV sensor 295 - 320 nm	A	A	A	A	A	A	A
	<b>UniFlame® II</b> IR sensor 700 - 1700 nm UV sensor 295 - 320 nm	A	A	A	A	A	A	A
	<b>D85 Series</b> IR sensor 830 - 1100 nm UV sensor 295 - 340 nm	A	A	A	A	A	A	A
<b>Discrete Detectors (separate amplifier required)</b>								
	<b>IDD-IIU</b> 400 - 3300 nm	A	P	P	A	N	P	N
	<b>IDD - IIL</b> 700 - 3300 nm	N	N	N	P	N	N	N
	<b>IDD - II</b> 700 - 3300 nm	N	P	P	A	N	A	N
	<b>IDD-Ultra</b> 210-390 nm	P	A	N	N	N	N	N

P = Preferred

A = Acceptable

N = Not recommended / will not detect

Fiber Optics are available for tangential and opposed fired units.

Pub # 404005-25 Rev 01/2018

More information on each product can be found in Forney's product specific manuals or spec sheets.

**Forney Corporation**

16479 N Dallas Parkway, Suite 600 • Addison, TX 75001  
800-356-7740 • Fax 972-458-6650 • [www.forneycorp.com](http://www.forneycorp.com)