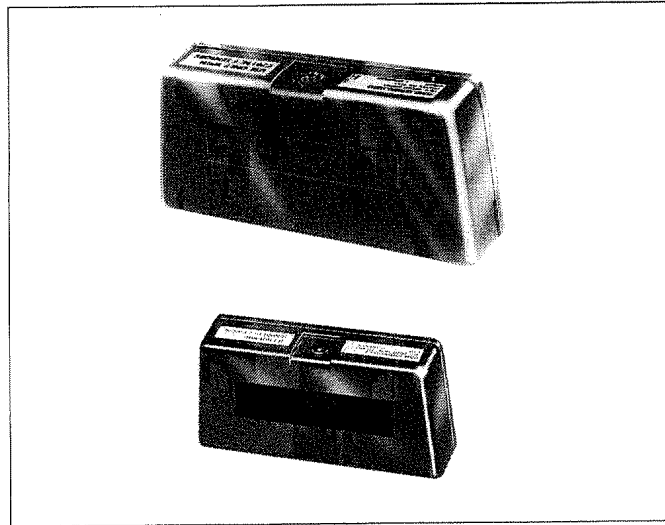


# Amplifiers

**R7061/R7247**  
**R7248/R7249**  
**R7476**

## Application

Solid state self-checking plug-in amplifiers for use with the R4140, R7241 burner programmers and R4343, R4348 flame switches. Each amplifier is designed to work with a specific range of detectors (see table below).



## Features

- Solid state components for reliability.

## Ordering information

Model Numbers	Plug-in Flame Signal Amplifiers				Compatible Flame Detectors		
	Flame Failure Response Time	Type	Colour code	Self-Checking	Fuel	Type	Models
R7061A1008 R7061A1016 R7061A1024	1 s max 2 s max 2 to 4 s	Ultraviolet	Purple	Dynamic Self Check <sup>a</sup>	Gas or Oil	Ultraviolet (minipeeper)	C7061A
R7321A1012 R7321B1028 R7321B1037	1 s max 2 s max 2 to 4 s	Rectification	Green	No	Gas	Rectifying Flame Rods	Holder <sup>c</sup> : C7004B, C7007A or C7011A. Complete Assemblies: C7005A or B, C7008A, C7009A or Q179 C or D.
					Oil	Rectifying Photocells <sup>d</sup>	C7003A, C7010A, C7013A or C7014A.
					Gas or Oil	Ultraviolet (Purple Peeper)	C7012A or C.
R7247B1029 <sup>e</sup> R7247B1037	2 to 4 s 2 s max	Rectification	Green	Dynamic Self Check <sup>a</sup>	Gas	Rectifying Flame Rods	Holder <sup>c</sup> : C7004B, c)*) <sup>a</sup> or C7011A. Complete Assemblies: C7005A or B, C7008A, C7009A or Q179C or D.
					Gas or Oil	Ultraviolet (Purple Peeper)	C7012E or F.
R7247C1027 <sup>e</sup> R7247C1035	2 to 4 s 2 s max						
R7248A1004 R7248B1028	2 to 4 s 2 to 4 s	Infrared	Red	No	Gas or Oil	Infrared (Lead Sulphide)	C7015A.
				Dynamic Ampli-Check <sup>b</sup>			
R7323B1034 <sup>e</sup> R7323B1026 R7323A1020	2 to 4 s 2 s max 1 s max	Ultraviolet	Purple	No	Gas or Oil	Ultraviolet (Minipeeper)	C7027A, C7035A or C7044A.
R7476A1007 R7476A1015	2 to 4 s 2 s max	Ultraviolet	Blue	Self Check	Gas or Oil		C7076

<sup>a</sup> Dynamic self check circuitry tests all electronic components in the flame detection system (amplifier and detector) 60 to 240 times a minute during burner operation and shuts down the burner if the detection system fails.

<sup>b</sup> Dynamic ampli-check circuitry tests only the flame signal amplifier during burner operation and shuts down the burner if the amplifier fails.

<sup>c</sup> Order flame rod separately.

<sup>d</sup> Use Honeywell 38316 photocell only.

<sup>e</sup> Not recommended for use in U.K.