



**3049-64**

**CONTRACTOR TIP:** Mercury flame sensors can only be replaced by cross referencing the original mercury flame sensor model number. They can not be replaced by gas valve model number. See next page.



**3094-118**

**MERCURY FLAME SENSORS**

For Proving Pilot Flame and Controlling Main Valve in Cycle Pilot Applications

**FEATURES**

- Bulb styles are designed to fit with various OEM applications.
- See Cross Reference to OEM control type numbers on next page.
- Adapter fittings to allow use of these mercury flame sensors with competitive burners are packed with controls identified with ①.

**SPECIFICATIONS**

Agency . . . . . A.G.A. design certified and C.G.A. certified  
Maximum temperature . . . . . 1450°F at bulb tip

**ELECTRICAL RATINGS**

Model Number	30VAC	120VAC	240VAC
3098-522	30VA	125VA	125VA
All others listed	3A	1A	0.5A

Model Number	Element Length	Panel Type	Bulb Style	Description
3049-3	26"	A	#5	—
3049-4	33"	A	#2	—
3049-5	48"	B	#3	Stud mount bulb
3049-15	33"	A	#7	—
3049-18	33"	D	#7	—
3049-41	48"	B	#4	—
3049-64 ①	48"	D	#19	Replaces bulb styles #9 or #13
3049-115 ①	48"	D	#20	Replaces bulb styles #17 or #18
3094-118	48"	C	#13	Replaces 3094-102
3094-123	30"	G	#9	Includes additional 1/4" spade terminal for fan delay relay
3098-134 ①	48"	E	#19	Replaces bulb styles #9 or #13
3098-156 ①	48"	E	#20	Replaces bulb styles #17 or #18
3098-522	30"	E	#17	Make before break switch

① Includes adapter fittings.

**MERCURY FLAME DETECTORS**

Exact Replacement Flame Detectors for Infrared Heaters and Similar Applications

**FEATURES**

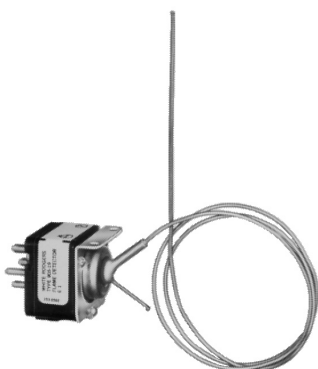
- For monitoring the ignition process during the entire "ON" cycle of the heater.
- In the event of ignition failure or flame failure, flame detector causes safety switch relay to operate to close gas valve.
- Type 905 has snap-acting switch operation.

**SPECIFICATIONS**

Agency . . . . . U.L. recognized

Model Number	Previous Type	Electrical Connections	Switch Action	Capillary Length	Electrical Ratings-Pilot Duty Only		
					120 VAC	240 VAC	30 VAC
905-20 ①	905-7	Plug-in	SPDT	42"	125 VA	125 VA	30 VA

① Capillary type with flame-sprayed bulb to prevent hydrogen penetration.



**Plug-In Types**