

3098-134

3049 / 3098 SERIES 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.

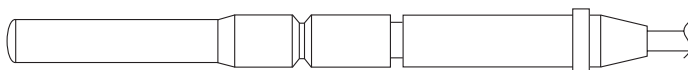
SPECIFICATIONS

Agency C.S.A. approved
 Maximum temperature 1450°F at bulb tip

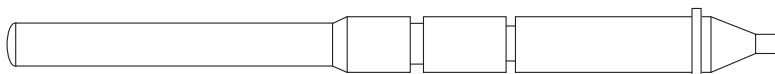
Model Number	Element Length	Panel Type	Bulb Style	Description
3049-115 ①	48"	D	#20	Replaces bulb styles #17 or #18
3098-134 ①	48"	E	#19	Replaces bulb styles #9 or #13
3098-156 ①	48"	E	#20	Replaces bulb styles #17 or #18

① Includes adapter fittings.

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.



Bulb Style #9



Bulb Style #13



Bulb Style #17



Bulb Style #18



Bulb Style #19



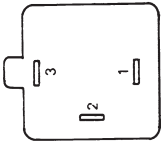
Bulb Style #20

HEATING

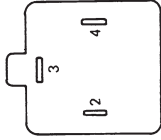
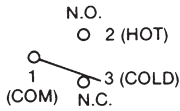
MERCURY FLAME SENSOR CROSS REFERENCE

White-Rodgers™

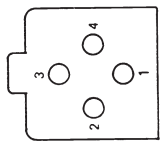
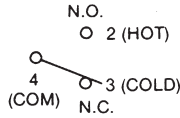
TERMINAL PANELS CONFIGURATIONS



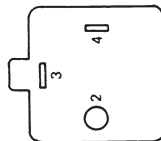
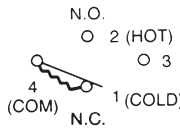
A



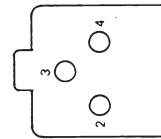
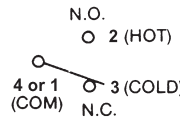
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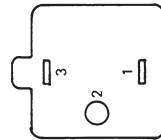
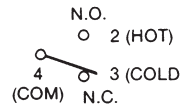
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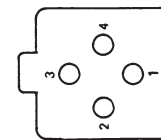
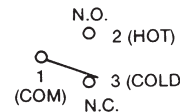
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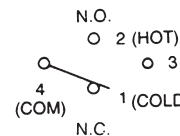
E



F



G



TYPES WITH SPADE TERMINALS

O.E.M. Number	Original Capillary Length	Original Panel Types ^②	Suggested Replacement
3049-1	30 or 48"	A	None
3049-3	26"	A	None
3049-4	33"	A	None
3049-5	48"	B	None
3049-6	12"	B	None
3049-7	24"	B	None
3049-11	24"	B	None ①
3049-15	33"	A	None
3049-18	30 or 33"	D	None
3049-20	42"	B	None ①
3049-29	20"	B	None
3049-31	12"	B	None
3049-32	12"	B	None
3049-33	24"	B	None
3049-36	48"	B	None
3049-37	30"	B	None
3049-41	24 or 48"	B	None
3049-49	42"	B	None
3049-52	30"	B, D	3049-115
3049-54	30"	B	3049-115
3049-55	30"	A, D	3049-115
3049-58	30"	B	None

O.E.M. Number	Original Capillary Length	Original Panel Types ^②	Suggested Replacement
3049-59	30"	B	None ①
3049-61	24"	B	None
3049-62	18"	B	None ①
3049-64	48"	D	None
3049-66	30"	B	3049-115
3049-68	30"	B	3049-115
3049-70	30"	B	None ①
3049-71	30"	B	None
3049-72	30"	E	None ①
3049-101	24"	B	None ①
3049-105	42"	B	3049-115
3049-106	24"	D	3049-115
3049-107	12"	B, D	3049-115
3049-111	24"	B, D	3049-115
3049-112	18"	B, D	3049-115
3049-114	30"	D	3049-115
3049-115	48"	D	3049-115
3049-119	24"	B	3049-115
3049-120	30"	B	3049-115
3049-121	18 or 42"	B	3049-115
3049-537	30"	B	None ①
3049-561	24"	B	None ①

PLUG-IN TYPES

O.E.M. Number	Original Capillary Length	Original Panel Types ^②	Suggested Replacement Type Number
3094-102	30"	C ③	None
3094-111	30"	C ③	None ①
3094-118	48"	C ③	None
3094-122	30"	C ③	None ①
3094-123	30"	G	None
3094-127	48"	C ③	None
3094-131	22"	C ③	None ①
3098-111	30"	E	3098-134
3098-117	24"	E	None ①
3098-120	30"	E	None ①
3098-122	30"	E	3098-156
3098-126	30"	E	3098-156
3098-127	24"	E	3098-156
3098-130	24"	E	3098-156
3098-131	30"	E	3098-156
3098-134	48"	E	3098-134
3098-135	48"	E	None ①
3098-136	30"	E	3098-134
3098-137	12"	E	None ①
3098-139	36"	E	None ①

O.E.M. Number	Original Capillary Length	Original Panel Types ^②	Suggested Replacement Type Number
3098-141	48"	E	3098-134
3098-142	30"	E	3098-156
3098-143	36"	E	3098-156
3098-147	18"	E	3098-134
3098-148	48"	E	None ①
3098-149	24 or 42"	E	3098-156
3098-151	26 or 33"	E	None ①
3098-153	24"	E	3098-156
3098-156	48"	E	3098-156
3098-161	24 or 30"	E	3098-134
3098-165	48"	E	3098-134
3098-168	48"	E	3098-156
3098-169	27"	E	3098-134
3098-171	30 or 42"	E	3098-156
3094-174	36"	E	3098-156
3098-175	18"	E	3098-156
3098-177	24"	E	None ①
3098-178	30"	E	None ①
3098-182	24 or 42"	E	3098-156
3098-183	12"	E	None ①
3098-184	42"	E	3098-134
3098-522	30"	E	None
3098-536	30"	E	None ①

- ① Consult the O.E.M. for replacement or retrofit.
- ② Suggested replacement type may have different panel configuration. Some controls experienced modification. Determine proper wiring with the aid of panel diagrams A through G.
- ③ Note: Panel type C featured an Electrical Quick Shut-Off Resistor (see diagram)

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