

Flame Amplifiers

R7247; R7248; R7249; R7476 Flame Amplifiers



Solid state plug-in units respond to flame detector signal and indicate presence of flame.

- Use with BC7000; R4140; R4075C,D,E; R4138C,D Flame Safeguard controls and appropriate flame detector and FSP5075A1, FSP5075A3 Flame Amplifier Modules.

Type: Flame Amplifier

Humidity Rating (%RH): 5 to 90% RH

Vibration: 0.5 G continuous

Weight: 8 oz. (227 g)

Approvals:

Canadian Standards Association: Certified: File No. LR1620, Guide No. 140-A-2

Control Safety Devices: Acceptable (CSD-1)

Factory Mutual: Approved: Report No. 24181.01

Industrial Risk Insurers: Acceptable

Underwriters Laboratories, Inc: Listed: File No. MP268, Guide No. MCCZ2

Product Number	Flame Failure Response Time	Self Checking?	Temperature Rating (Operating Range)		Use with Flame Sensor	Use with Primary Control	Comments
			(F)	(C)			
R7247A1005	2 to 4 sec	None (standard)	-40 F to 145 F	-40 C to 63 C	Gas, oil, coal: Ultraviolet Flame Sensor C7012A, C— Gas: Rectifying Flame Rods C7004, C7007, C7005, C7008, C7009, Q179	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Green
R7247A1021	1 sec max	None (standard)	-40 F to 145 F	-40 C to 63 C	Gas, oil, coal: Ultraviolet Flame Sensor C7012A, C— Gas: Rectifying Flame Rods C7004, C7007, C7005, C7008, C7009, Q179	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Green
R7247B1003	2 to 4 sec	AMPLI-CHECK	-40 F to 150 F	-40 C to 66 C	Gas, oil, coal: Ultraviolet Flame Sensor C7012A, C— Gas: Rectifying Flame Rods C7004, C7007, C7005, C7008, C7009, Q179	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Green
R7247C1001	2 to 4 sec	Dynamic Self-Check	-40 F to 150 F	-40 C to 66 C	Gas, oil, coal: Ultraviolet Flame Sensor C7012E, F	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Green
R7248A1004	2 to 4 sec	None (standard)	-40 F to 145 F	-40 C to 63 C	Gas, oil, coal: Infrared (lead sulfide) C7015	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Red
R7248B1028	2 to 4 sec	AMPLI-CHECK	-40 F to 145 F	-40 C to 63 C	Gas, oil, coal: Infrared (lead sulfide) C7015	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Red
R7249A1003	2 to 4 sec	None (standard)	-40 F to 145 F	-40 C to 63 C	Gas, oil, coal: Ultraviolet (Minipeeper) C7027, C7035	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Purple
R7476A1007	2 to 4 sec	None (standard)	-40 F to 150 F	-40 C to 66 C	Gas, oil, coal: Adjustable Sensitivity Ultraviolet Flame Sensor C7076	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Blue
R7476A1015	2 sec max.	Dynamic Self-Check	-40 F to 150 F	-40 C to 66 C	Gas, oil, coal: Adjustable Sensitivity Ultraviolet Flame Sensor C7076	R4140, BC7000, R4075C, D, E, R4138C, D, FSP5075	Color: Blue