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

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

Product Number	Flame Failure Response Time (sec)	Self Checking	Use With Flame Sensor	Use With Primary Safety Control	Comments
R7247B1003/U	2 to 4 sec	Ampli-Check	Gas: Rectifying Flame Rods C7004, C7005, C7007, C7008, C7009, Q179Gas, oil, coal: Ultraviolet Flame Sensor C7012A, C	R4140; BC7000; R4075C,D,E; R4138C,D; FSP5075	Color: Green
R7247C1001/U	2 to 4 sec	Dynamic Self-Check	Gas, oil, coal: Ultraviolet Flame Sensor C7012E, F	R4140, BC7000, R4075C,D,E, R4138C,D; FSP5075	Color: Green
R7247C1019/U	2 sec max.	Dynamic Self-Check	Gas, oil, coal: Ultraviolet Flame Sensor C7012E, F	R4140; BC7000; R4075C,D,E; R4138C,D; FSP5075	Color: Green
R7248A1004/U	2 to 4 sec	None (standard)	Gas, oil, coal: Infrared (lead sulfide) C7015	R4140; BC7000; R4075C,D,E; R4138C,D; FSP5075	Color: Red
R7249A1003/U	2 to 4 sec	None (standard)	Gas, oil, coal: Ultraviolet (Minipeeper) C7027, C7035	R4140; BC7000; R4075C,D,E; R4138C,D; FSP5075	Color: Purple
R7476A1007/U	2 to 4 sec	Dynamic Self-Check	Gas, oil, coal: Adjustable Sensitivity Ultraviolet Flame Sensor C7076	R4140; BC7000; R4075C,D,E; R4138C,D; FSP5075	Color: Blue
R7476A1015/U	2 sec max.	Dynamic Self-Check	Gas, oil, coal: Adjustable Sensitivity Ultraviolet Flame Sensor C7076	R4140, BC7000, R4075C,D,E, R4138C,D; FSP5075	Color: Blue

R7259 Flame Safeguard Amplifiers

Solid state, plug-in units allow use of rectification, infrared and ultraviolet flame detections.
• Use with Q518, Q519 and W688A Flame Safeguard multi-burner modules and appropriate flame detector

Approvals
Canadian Standards Association: Certified: File No. LR95329-3
Underwriters Laboratories, Inc: Listed: File No. MP268, Guide No. MCCZ2

Product Number	Flame Failure Response Time (sec)	Self Checking	Use With Flame Sensor	Use With Primary Safety Control	Comments
R7259A1000/U	2 to 4 sec	None (standard)	Gas, oil, coal: Ultraviolet (Minipeeper) C7027, C7035	Q518, Q519, W688A	Color: Purple

Commercial/Industrial Combustion Controls