

# Flame Detectors

Product Number	Electrical Connections	Lead Lengths		Mounting Method	NEMA Rating	Comments	Used With
		(inch)	(mm)				
C7012E1161	6 NEC Class 1 Color-coded leadwires.	8 ft.	2.4 m	1 in. NPT	NEMA 4	Dynamic self-checking flame detector	Flame Amplifiers: R7247C, R7847C, R7747C
C7012E1187	6 NEC Class 1 Color-coded leadwires.	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	Dynamic self-checking flame detector	Flame Amplifiers: R7247C, R7847C, R7747C
C7012E1195	6 NEC Class 1 Color-coded leadwires.	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	Dynamic self-checking flame detector	Flame Amplifiers: R7247C, R7847C, R7747C
C7012E1203	6 NEC Class 1 Color-coded leadwires.	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	Dynamic self-checking flame detector	Flame Amplifiers: R7247C, R7847C, R7747C
C7012E1278	Brad Harrison type number 41310 connector	—	—	1 in. NPT	NEMA 4	Dynamic self-checking flame detector	Flame Amplifiers: R7247C, R7847C, R7747C
C7012F1052	6 NEC Class 1 Color-coded leadwires.	8 ft.	2.4 m	1 in. NPT	Explosion Proof	Dynamic self-checking flame detector, explosion-proof, two piece, violet, cast aluminum enclosure	Flame Amplifiers: R7247C, R7847C, R7747C
C7012G1019	5 lead wires that conform to NEC Class 1. (Additional wire, green/yellow insulation, for ground connection.)	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	For use with rectification flame signal amplifiers	Flame Amplifiers: R7247A, R7847A, R7257
C7012G1027	5 lead wires that conform to NEC Class 1. (Additional wire, green/yellow insulation, for ground connection.)	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	For use with rectification flame signal amplifiers	Flame Amplifiers: R7247A, R7847A, R7257
C7012G1035	5 lead wires that conform to NEC Class 1. (Additional wire, green/yellow insulation, for ground connection.)	8 ft.	2.4 m	3/4 in. NPT.	NEMA 4	For use with rectification flame signal amplifiers	Flame Amplifiers: R7247A, R7847A, R7257

## C7015 Infrared (Lead Sulfide) Flame Detector



**Application:** Used for combination or dual-fuel applications  
**Type:** Infrared (Lead Sulfide)  
**Dimensions, Approximate:** 1 1/4 in. diameter, 2 3/4 in. long  
 (32 mm diameter, 70 mm long)  
**Ambient Temperature Ratings:** 125 F max at sensor  
 (52 C max at sensor)

**C7015A combination mount and 104662B and D Plug-in Lead Sulfide Cell senses infrared radiation from gas, oil, coal or dual-fuel flames.**

- Used for combination or dual-fuel applications.
- Detects pilot and main flame.
- Mounts quickly and easily on a standard 3/4 in. sighting pipe.
- Works where flame rod or rectifying photocell mounts are difficult to apply.
- Includes 110634A Bushing with magnifying lens and 105134-00021 Orifice.
- Uses photoconductive lead sulfide cells 104662B and D.

**Approvals:**  
**Canadian Standards Association:** Certified: Master Report LR95329-1  
**Factory Mutual:** Approved: Report No. 24181.03  
**Industrial Risk Insurers:** Acceptable  
**Underwriters Laboratories, Inc:** Listed: File No. MP268, Guide No. MCCZ

Product Number	Electrical Connections	Lead Lengths		Mounting Method	Comments	Used With	Includes
		(inch)	(mm)				
C7015A1076	Two no.18 AWG wires	30 in.	762 mm	3/4 in. NPT.	Infrared (Lead Sulfide) Flame Detector	Flame Amplifiers: R7248, R7848, R7748, R7258	Includes 104662B Sensitivity Cell
C7015A1092	Two no.18 AWG wires	96 in.	2.4 m	3/4 in. NPT.	Infrared (Lead Sulfide) Flame Detector	Flame Amplifiers: R7248, R7848, R7748, R7258	Includes 104662D Sensitivity Cell
C7015A1126	Two no.18 AWG wires	48 in.	1.2 m	3/4 in. NPT.	Infrared (Lead Sulfide) Flame Detector	Flame Amplifiers: R7248, R7848, R7748, R7258	104662D Sensitivity Cell