

Flame Detectors

C7012 Solid State Purple Peeper® Ultraviolet Flame Detector



Solid state electronic flame detectors for use with Honeywell Flame Safeguard controls and amplifiers. Sense ultraviolet radiation produced by combustion of gas, oil, coal or other fuels.

- Mount horizontally, vertically or at any angle in between.
- Provide quick electrical hookup with threaded conduit fitting and color-coded leadwires.
- Reduced nuisance shutdowns by wiring two in parallel.
- C7012E1278 5 pin Brad Harrison type (formally 41307N) mating connector not supplied nor available through Honeywell.
- C7012A, E meets NEMA 4 standards with viewing window rated to 20 psi.
- C7012C, F has an explosion-proof housing for use in hazardous atmospheres with a viewing window rated to 100 psi.

Type: Ultraviolet, Purple Peeper

Application: Gas, Oil or Coal fired burners

Lead Length: 96 in. (2438 mm)

Power Consumption: 2.5 W

Approvals, CSA: Certified: Master Report LR95329-1

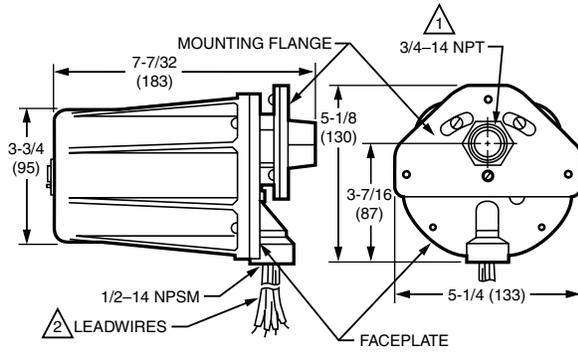
Approvals, Swiss RE: Acceptable

Approvals, Factory Mutual: Approved: Report No. 14740.01

Material Number	Frequency	Weight	NEMA Rating	Electrical Connections	Mounting	Electrical Ratings	Ambient Temperature Range	Approvals, Underwriters Laboratories Inc.	Approvals, Others	Includes	Used With
C7012A1145/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	120 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, R7847A, R7257; Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012A1152/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	1 in. NPT	120 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012A1160/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	1 in. NPT	120 Vac	-40°F to +175°F (-40°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012A1186/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	208 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012A1194/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	240 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012A1202/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	100 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, R7847A, R7257
C7012A1210/U	50 Hz; 60 Hz	4.25 lb (1.9 kg)	NEMA 4	4 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	120 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ		Cast case and cover	Flame Amplifiers: R7247A, R7847A, R7257
C7012C1042/U	50 Hz; 60 Hz	14.5 lb (6.6 kg)	Explosion Proof	4 NEC Class 1 Color- coded lead wires.	1 in. NPT	120 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. E34649, Guide No. ZTSZ			Flame Amplifiers: R7247A, B; R7847A, B; R7257
C7012G1019/U	50 Hz	4.25 lb (1.9 kg)	NEMA 4	5 NEC Class 1 Color- coded lead wires.	3/4 in. NPT	220 Vac	25°F to 175°F (-4°C to +79°C)	Listed: File No. MP268, Guide No. MCCZ	Meets DIN Standards	Cast case and cover	Flame Amplifiers: R7247C, R7847C

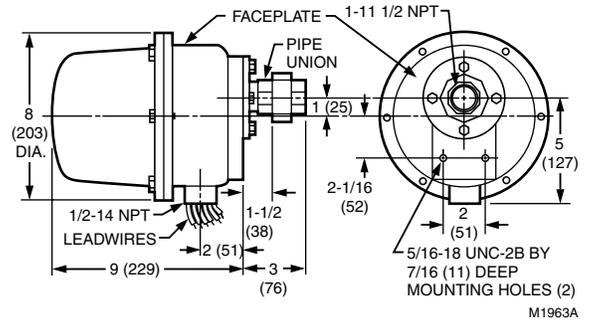
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Dimensions in inches (millimeters)



- 1 C7061A1046, C7061A1053: INCH NPT
- 2 C7061A1038 AND C7061A1046: TYPE CONNECTOR.

M10167D



M1963A