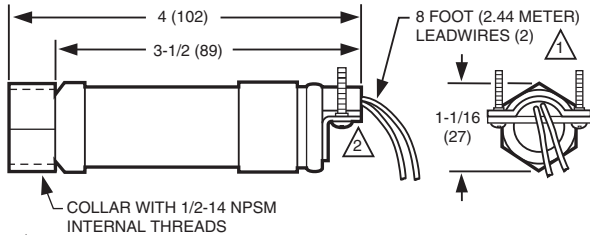


C7027 Minipeeper Ultraviolet Flame Detector



Dimension Diagrams



1 C7027A1064 HAS 24 FOOT (7.32 METER) LEADWIRES.
C7027A1114 HAS 44 IN. (1.118 M) LEADWIRES WITH
22 IN. (558 MM) FLEXIBLE CONDUIT.

2 MODELS AVAILABLE WITH SPUD CONNECTOR (1/2-14 NPSM INTERNAL
THREADS) INSTEAD OF CLAMP TYPE CONNECTOR.

C7027

M1943F

Compact Flame Detector for use with flame safeguard controls with ultraviolet amplifiers.

- Use on Honeywell Flame Safeguard primary safety controls and burners requiring ultraviolet flame detection.
- Mounts on a 1/2 in. sighting pipe by using an integral collar.
- Wires in parallel for difficult sighting applications.
- Seals against pressures as high as 5 psi (34.5kPa) when correctly installed.
- Allows for blast tube mounting due to compact size.

Application: Gas fired burners

Oil fired burners

Coal fired burners

Type: Ultraviolet, Minipeeper

Dimensions, Approximate: 1 1/16 in. diameter, 4 in. long
(27 mm diameter, 102 mm long)

Ambient Temperature Ratings: 0 F to 215 F (-18 C to 102 C)

Vibration Rating: 0.5g max

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)				
C7027A1023	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	—
C7027A1031	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	—
C7027A1049	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	1/2 in. NPT threaded spud connector.
C7027A1056	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	—
C7027A1064	2 NEC Class 1 leadwires.	24 ft.	7.3 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	1/2 in. NPT threaded spud connector.
C7027A1072	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	1/2 in. NPT threaded spud connector.
C7027A1080	2 NEC Class 1 leadwires.	8 ft.	2.4 m	Integral nut for 1/2 in. sighting pipe.	Detects ultraviolet radiation in flames	Flame Amplifiers: R7249A, B, R7849A, B, R7749B, R7259, R7290	136733 Heat Block and 390427B bushing