

Flame Detectors

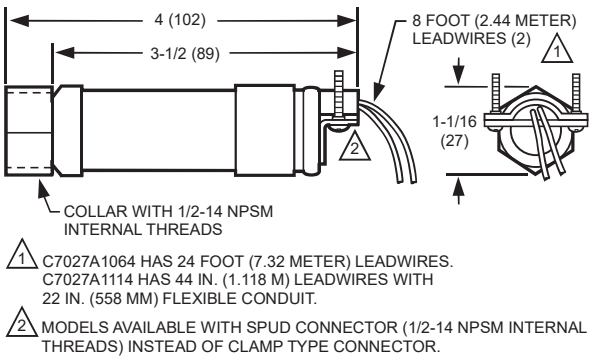
C7027; C7044 Minipeeper Ultraviolet Flame Detector



Compact flame detector for use with flame safeguard controls with ultraviolet amplifiers.

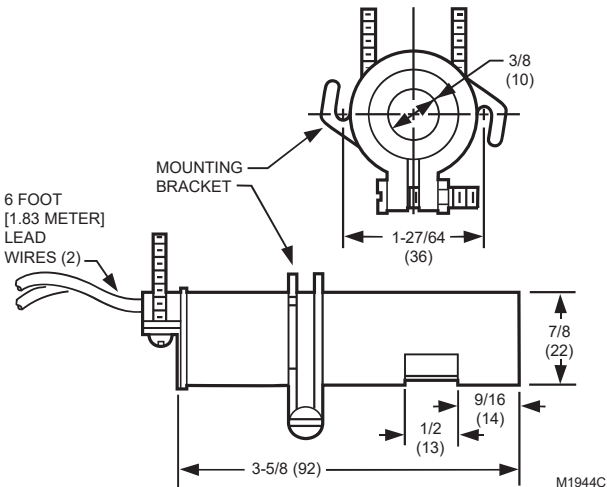
- Use with Honeywell Flame Safeguard primary safety controls and burners requiring ultraviolet flame detection
- C7027 mounts on a 1/2 in. sighting pipe by using an integral collar
- Detectors can be wired in parallel for difficult sighting applications
- C7027 seals against pressures up to 5 psi (34.5kPa) when correctly installed
- Allows for blast tube mounting due to compact size
- C7044 mounts with a two screw bracket
- The C7044 UV sensor tube is enclosed in a stainless steel housing
- C7044 has the capability of side or end viewing in flame monitoring applications

Dimensions in inches (millimeters)



C7027

M1943F



C7044

M1944C

Description: Minipeeper
Application: Coal fired burners; Gas fired burners; Oil fired burners
Vibration: 0.5 G max
Electrical Connections: 2 NEC Class 1 leadwires
Used With: Flame Amplifiers: R7249A,B; R7849A,B; R7749B; R7259; R7290

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

Product Number	Type	Lead Length		Mounting	Ambient Temperature Range		Includes	Comments
		(inch)	(mm)		(F)	(C)		
C7027A1023/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	0 F to 215 F	-18 C to 102 C	—	Detects ultraviolet radiation in flames
C7027A1031/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	-40 F to 215 F	-40 C to 102 C	—	Detects ultraviolet radiation in flames
C7027A1049/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	0 F to 215 F	-18 C to 102 C	1/2 in. NPT threaded spud connector	Detects ultraviolet radiation in flames
C7027A1056/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	0 F to 215 F	-18 C to 102 C	—	Detects ultraviolet radiation in flames
C7027A1064/U	Ultraviolet, Minipeeper	288 in.	7315 mm	Integral nut for 1/2 in. sighting pipe	-40 F to 215 F	-40 C to 102 C	1/2 in. NPT threaded spud connector	Detects ultraviolet radiation in flames
C7027A1072/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	-40 F to 215 F	-40 C to 102 C	1/2 in. NPT threaded spud connector	Detects ultraviolet radiation in flames
C7027A1080/U	Ultraviolet, Minipeeper	96 in.	2438 mm	Integral nut for 1/2 in. sighting pipe	0 F to 215 F	-18 C to 102 C	136733 Heat Block and 390427B bushing	Detects ultraviolet radiation in flames