

# Flame Sensors

## C7027 Minipeeper Ultraviolet Flame Detector



C7027A1049  
C7027A1064  
C7027A1072



C7027A1023  
C7027A1031  
C7027A1080

**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 ½ in. sighting pipe by using an integral collar.
- Wires in parallel for difficult sighting applications.
- Seals against pressures as high as 5 psi (34.5 kPa) when correctly installed.
- Allows for blast tube mounting due to compact size.

**APPROVALS:**

Underwriters Laboratories Inc. Listed: File No. MP268, Guide No. MCCZ.

Canadian Standards Association Certified: Master Report LR95329-1.

Factory Mutual Approved: Report No. 24181.03.  
Industrial Risk Insurers Acceptable.

**DIMENSIONS, APPROXIMATE:** 1½ in. (27 mm) (mounting nut), 4 in. (102 mm) long.

**MOUNTING:** Integral nut for ½ in. sighting pipe.

**ACCESSORIES:**

118367A Swivel Mount, provides adjustable positioning.  
136733 Heat Block.

**REPLACEMENT PARTS:**

129685 Flange Gasket.

**NOTE:** UV sensing tube is NOT field replaceable.

Available only through Honeywell Authorized Flame Safeguard Wholesalers and Distributors.

Order Number	Temperature Ratings, Ambient		Leadwire Length	
	F	C	ft	m
C7027A1023	0 to +215	-18 to +102	6	1.8
C7027A1031	-40 to +215	-40 to +102	6	1.8
C7027A1049 <sup>a</sup>	0 to +215	-18 to +102	6	1.8
C7027A1064 <sup>a</sup>	-40 to +215	-40 to +102	24	7.3
C7027A1072 <sup>a</sup>	-40 to +215	-40 to +102	6	1.8
C7027A1080 <sup>b</sup>	0 to +215	-18 to +102	6	1.8

<sup>a</sup> ½ in. NPT threaded spud connector.

<sup>b</sup> Includes 136733 Heat Block and 390427B Bushing, ½ x ⅜ in. (13 x 10 mm) to replace Fireye UV2 sensor when replacing a complete Fireye to Honeywell system.

## C7035 Minipeeper Ultraviolet Flame Detector

**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 in. sighting pipe by means of an integral collar.
- Protects the sensing tube with a shield.
- Meets outdoor raintight requirements of Underwriters Laboratories Inc., NEMA 3 and NEMA 4.
- Wires in parallel for difficult sighting applications.
- Seals against pressures as high as 5 psi (34.5 kPa) when correctly installed.
- Field-replaceable ultraviolet sensing tube.

**APPROVALS:**

Underwriters Laboratories Inc. Listed: File No. MP268, Guide No. MCCZ.

Canadian Standards Association Certified: Master Report LR95329-1.

Factory Mutual Approved: Report No. 24181.03.  
Industrial Risk Insurers Acceptable.

**DIMENSIONS, APPROXIMATE:** 1½ in. (38 mm) diameter (mounting collar), 4½ in. (105 mm) long.

**ACCESSORIES:**

118367A Swivel Mount, provides adjustable positioning.

**REPLACEMENT PARTS:**

129808 Flange Gasket.

129464M Ultraviolet Sensing Tube (0 F to 250 F (-18 C to +121 C)).

129464N Ultraviolet Sensing Tube (-40 F to +250 F (-40 C to +121 C)).

191284 Aluminum Shield.

Available only through Honeywell Authorized Flame Safeguard Wholesalers and Distributors.

Order Number	Temperature Ratings, Ambient		Leadwire Length	
	F	C	ft	m
C7035A1023	0 to +250	-18 to +121	6	1.8
C7035A1031	-40 to +250	-40 to +121	6	1.8
C7035A1056	-40 to +250	-40 to +121	12	3.5
C7035A1080 <sup>a</sup>	0 to +250	-18 to +121	6	1.8

<sup>a</sup> 600 F 6 ft leadwires.