

Flame Detectors

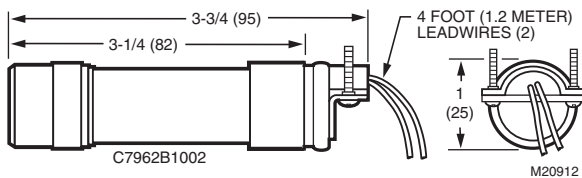
C7962 Visible Light Flame Detector



The C7962B Visible Light Flame Detector detects the visible light emitted by fuel oil combustion flames. The C7962B Detector is used with Honeywell Flame Safeguard controls to provide fuel oil flame supervision in commercial and industrial burners.

- Used with 7800 SERIES Flame Safeguard controls.
- Used with R7851B Flame Amplifier.
- Has an integral collar threaded (internal 1/2-14 NPSM) for mounting on 1/2 inch sight pipe.

Dimension Diagrams



Dimensions, Approximate: 1 in. diameter, 3 3/4 in. long
(25 mm diameter, 95 mm long)

Ambient Temperature Ratings: -40 F to 160 F (-40 C to 71 C)
-4 F to +140 F (-20 C to 60 C)

Vibration Rating: 0.5g max

Approvals:

Canadian Standards Association: Listed: Report No. 158158-1357526

Underwriters Laboratories, Inc: Component Recognized: File No. MP268, Vol 30.

Accessories:

32007439-001 Mounting Bracket and screws for C7962B

Application: Commercial, industrial oil burners
Type: Visible Light Flame Detector

Product Number	Electrical Connections	Lead Lengths		Mounting Method	NEMA Rating	Used With
		(feet)	(mm)			
C7962B1002	8 ft leadwires	8 ft.	2.4 m	1/2 in NPT pipe mounting	NEMA 1	Flame Amplifiers: R7851B

Optical Flame Detector Accessories or Parts

OS Number	Description	Used With
115330/520	Vacuum Tube for C7012	C7012
120934/520	Aluminum Flange Gasket for C7012A or C7012E	C7012
124198	Mounting Flange for C7012A, C7012C, C7012E, or C7012F	C7012
105134/0021	0.125 in. orifice for 1 in. NPT for C7015	C7015
190971G	24 Vdc Coil and Shutter Assembly for C7024E, F	C7024
24400152-001	Quartz lens replacement kit for C7076D consists of quartz lens, gasket, gasket seal	C7076
38570/0767	Holder for 38576 filter. Use with C7013A.	C7013
102288	Magnifying Lens for C7003	C7003
104662B	Lead Sulfide Cell, with yellow medium sensitivity for C7015	C7015
104662D	Lead Sulfide Cell, orange maximum sensitivity range for C7015	C7015
105061	3/4 in. Heat Block for C7015	C7015
105171	Gasket used in C7015 or C7027	C7015, C7027
105172A	Pressure Seal-off Adapter (3/4 NPT) for C7015	C7015
105172C	Pressure Seal-off Adapter (3/4 NPT) w/UV Quartz window for C7012, C7024, C7027, C7035, C7061, C7076	C7012, C7024, C7027, C7035, C7061, C7076
110412A	Slide Assembly for C7010	C7010
110634A	Magnifying Lens Assembly for C7015A	C7015
113228	UV Sensing Tube for C7012; C7024	C7012, C7024
113236	Vacuum Tube for C7012	C7012
113672A	Seal Off Assembly for C7012, C7024, C7061	C7012, C7024, C7061
114372	Bulk Pack -20 PSI window for C7012E, F; C7024; C7061	C7012, C7024, C7061
114465	Window Gasket for C7012A, E; C7024A; C7061A	C7024, C7061
114638	Rubber Washer for C7012A, E; C7024A; C7061A	C7012, C7024, C7061
115594A	Flange Assembly for C7012C, F; C7024F, C7061F	C7012, C7024, C7061
117181	Cork Gasket for C7012A, E; C7024A; C7061A	C7012, C7024, C7061