

## *Flame Safeguard Controls — Fireye*

### Flame Scanners and Applications

The following Fireye flame scanners are used in conjunction with the appropriate Fireye flame safeguard controls to provide reliable flame detection on a variety of burner applications and fuel types.

#### UV1A

Ultraviolet miniature non self-checking scanners used in applications. The UV1A is suitable for fuel gases and no. 2 oil. Non-replaceable tube. Mounting collar 1/2" NPT. Available with 3 ft (UV1A3), 6 ft. (UV1A6), or 50 ft. (UV1A50) of flexible conduit. Explosion proof housings are available.



#### UV2

Ultraviolet miniature non self-checking scanner. Similar in function to the UV1A3 but with a smaller mounting collar (3/8"). Non-replaceable tube.



#### UV8A

A 90° version of the UV1A6, but with unshielded leads and 0.70" diameter collar to be used with a 1/2" E.M.T rain tight fitting (not furnished). The mounting collar is 1/2" NPT. Must be installed with metal shielding over the scanner leads.



#### 45UV5-1005, -1006, -1007, -1008, -1009

Self-checking ultraviolet scanner is for continuously fired applications where recycling is infrequent or absent. The self-checking circuit checks the electronics and the UV tube for proper operation every four seconds during the firing period. Suitable for fuel gases and oil. Replaceable UV tube and (4-314-1) shutter mechanism (61-2914). Mounting 1" NPT or BSP pipe thread with 8 ft. (2.4m) lead wires. Must be installed with metal shielding over the scanner leads. Explosion-proof housings are available for models 45UV5-1007 and 45UV5-1009.



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### 45UV3-1050



A rugged diecast housing that mounts on 3/4 inch pipe with setscrew. Vertical mounting of UV tube provides greater sensitivity. UV tube is replaceable (4-314-1). Scanner is non self-checking. 4 ft (1200mm) lead wires. Must be installed with metal shielding over this canner leads.

### 69ND1



Flame rod for gas flames only. The flame rod is an inexpensive reliable gas flame detector. Mounting 1/2" male NPT. 12" (304mm), 18" (475mm), and 24" (609mm) available.

### 45CM1



Photocell scanner with #922 photocell and Rajah stud terminal is designed for use in the blast tube on conventional pressure atomizing oil burners. Available with or without a filter.

### 48PT2



Lead sulfide infrared scanner is designed to detect low frequency IR signals from gas or oil flames. Mounting collar is 1/2" NPT with straight or 90° mounts (shown). Available with 4 ft (121.9m) or 8 ft (243.8m) flexible conduit. Replaceable 4-263-1 sensor cell.

### 48PT1



Lead sulfide infrared detector is identical in size and function to the 48PT2 but is used with the older-style P-Series controls (e.g. 26RJ8, 29RF5 controls). The mounting collar is 1/2" NPT. Replaceable 4-128-1 sensor cell. Available with 4 ft. (122) or 8 ft. (244) flexible conduit.

For prices on products or parts call us at 623-847-4788 or FAX 623-847-2386