

FENWAL SMOKE DETECTORS

Effective: August 1999

Tough, Reliable Detectors that Look Great and Cost Less to Maintain

KF0020

FENWAL®

The latest line of Fenwal Smoke Detectors offers exactly what today's demanding customer is seeking: more reliability for less money, great aesthetics and significant cost savings in maintenance. Designed and tested under extreme conditions of heat, cold and humidity, U.L.-listed Fenwal Smoke Detectors – available in ionization, photoelectric or thermistor heat/photoelectric models – are ideally suited to all types of commercial, institutional and industrial applications.

ADVANTAGES/BENEFITS

INPLACE SENSITIVITY TESTING

All three Fenwal Smoke Detectors offer inplace sensitivity measurement in % per foot obscuration that satisfies NFPA 72 and is U.L. listed

- Faster and more economical way to test detectors' readiness

LOW PROFILE STYLING

Fenwal Smoke Detectors reflect the latest in surface mount design technology, combining functional performance with sleek styling

- Aesthetically pleasing and unobtrusive smoke detection

REMOTE TEST CAPABILITY

An optional Remote Test Switch enables fast, easy testing of detectors located in hard-to-reach spots (ducts, high ceilings, etc.)

- Reduced maintenance costs

BACKWARD COMPATIBILITY

The latest Fenwal Smoke Detectors are mechanically and electrically backward compatible with previous series Fenwal bases without rewiring and can even be mixed and matched on the same initiating loop

- Easy retrofitting or system expansion

WIDE RANGE OF OPERATING VOLTAGES

Fenwal Smoke Detectors have the ability to accept a wide range of voltage – from 10.2 to 36.8 VDC, when using the 2WB base

- More versatile application

CHOICE OF DETECTION METHODS

Select the precise detection method – ionization, photoelectric or photoelectric/thermistor combination – that's right for each application

- Superior smoke detection matched to the application



COST EFFECTIVE DETECTION

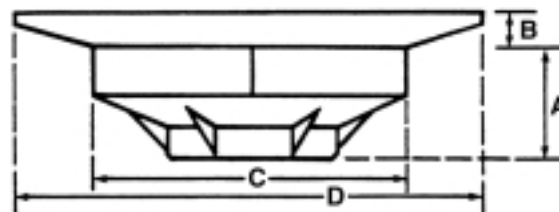
Fenwal Smoke Detectors incorporate customer-pleasing features and economical maintenance at very affordable cost, in the present and future.

- Easy to specify today, easy to own tomorrow

PROVEN FENWAL QUALITY

There's only one brand of smoke detector that has a 20-year record for continuous product improvement, on-the-job reliability and superior customer service

- Assure the most value, specify Fenwal Smoke Detectors



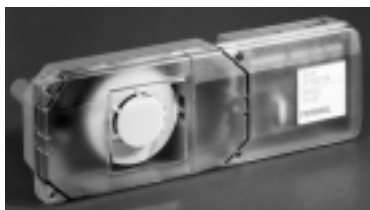
See SPECIFICATION Table (following) for Dimensions

SPECIFICATIONS

	IONIZATION MODEL 7051	PHOTOELECTRIC MODEL 7155	PHOTO W/HEAT MODEL 7156
Standby Voltage (using 2WB)	10.2 to 36.8 VDC	10.2 to 36.8 VDC	10.2 to 36.8 VDC
Standby Voltage (using 4WRB)	16.8 to 36.8 VDC	16.8 to 36.8 VDC	16.8 to 36.8 VDC
Maximum Ripple	50% of DC input	50% of DC input	50% of DC input
Standby Current	45µA (typical) 100µA peak at 24 VDC	55µA (typical) 100µA peak at 24VDC	55µA (typical) 100µA peak at 24 VDC
Startup Current	0.1mA max.	0.1mA max.	0.1mA max.
Alarm Current	100mA max.	100mA max.	100mA max.
Alarm Indicator	LED internal	LED internal	LED internal
Operating Temperature Range	32°F (0°C) to 120°F (49°C)	32°F (0°C) to 120°F (49°C)	32°F (0°C) to 120°F (49°C)
Relative Humidity Range	0 to 93% (noncondensing)	0 to 93% (noncondensing)	0 to 93% (noncondensing)
Reset Voltage	3V (typical) min.	3V (typical) min.	3V (typical) min.
Reset Time	1.0 second max.	1.0 second max.	1.0 second max.
Startup Time	20 seconds max.	20 seconds max.	20 seconds max.
Alarm Voltage	5.5V (typical)	5.5V (typical)	5.5V (typical)
Finish	High impact plastic, off white	High impact plastic, off white	High impact plastic, off white
Approvals	U.L. (Std. 268, 268A), FM, ULC, CSFM, MEA	U.L. (Std. 268, 268A), FM, ULC, CSFM, MEA	U.L. (Std. 268, 268A), FM, ULC, CSFM, MEA
U.L. Sensitivity	0.85 - 1.75%/ft.	1.47 - 3.74%/ft.	1.47 - 3.75%/ft.
Compatibility I.D.	151FE1	P55FE1	P56FE1
Dimensions:			
Height (A) – Detector	1.38" (35mm)	1.38" (35mm)	1.89" (48mm)
Height (B) – Base	0.43" (11mm)	.043" (11mm)	0.43" (11mm)
Diameter (C) – Detector	3.90" (99mm)	3.90" (99mm)	3.90" (99mm)
Diameter (D) – Base	5.90" (150mm)	5.90" (150mm)	5.90" (150mm)

ACCESSORY ITEMS

Model ST-001 Smoke Detector Sensitivity Tester for performing inplace sensitivity testing and measurement. Model DH-60 and DH-60(2W) Duct Detector Housing for use in air handling duct applications to sample air and detect smoke particles. DH-60 provides 2 auxiliary contacts for shutdowns, 24VDC, 24VAC, 120VAC, and 240 VAC operations. The DH-60(2W) works only in conjunction with a 24VDC fire alarm control panel.



DH-60 Detector Housing



ST-001 Sensitivity Tester

INSTALLED AND SERVICED BY:

FENWAL®



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If you need more information on this product, or if you have a particular problem or question, contact LICO GmbH, www.mess-regeltechnik.at, office@lico.at, Tel +43 1 70643000