

# IoPhic® Smoke & Fire Alarm

## 120 Volt AC with Battery Backup

### Model MDS107



\* UL217 Smoldering Smoke Test on 5/26/2010, Underwriters Laboratories Project #09CA38078

NEW IoPhic® Universal Sensing Technology® alarms with microprocessor intelligence are designed to virtually eliminate nuisance alarms caused by non-hazardous sources such as every day cooking smoke or steamy showers. Nuisance alarms are the leading reason for intentionally disabled smoke alarms.

#### Features

Advanced smoke recognition

Auto sensitivity calibration

Self-diagnostic feature

Ambient condition compensation

Quick Find® alarm origination feature

Quick activation pull tab

Universal mounting bracket

Larger mounting base

End-of-service life warning

Front-load battery drawer

Single silence/test button

2 tamper resistant locking features

9 volt super-heavy duty battery

#### Benefits

*Provides 87% faster response to smoldering fires than conventional smoke alarms*

*Eliminates inconsistencies which lead to nuisance alarms*

*Performs a status check upon power up to ensure alarm is functioning properly*

*Automatically adjusts sensitivity for variations temperature and humidity conditions*

*Easily identifies first alarm to sound in interconnected system*

*Preserve battery life. Preinstalled battery is quickly activated without removing alarm from bracket*

*Fits any standard wiring junction box, single gang, round or octagon, up to 4"*

*Covers drywall imperfections and old paint marks*

*Warning sounds when it is time to replace the alarm after approx. 10 years from date of activation*

*Replace battery without removing alarm from bracket*

*Temporarily quiets nonemergency alarms and tests alarm functionality*

*Prevents unauthorized removal of alarm or battery*

*Provides protection in the event of power outage*

#### Technical Specifications

Sensor Type:	IoPhic® Universal Sensing Technology®
Primary Power:	120 volt AC, 560 Hz
Battery Back-Up:	9 volt super heavy-duty battery
Audible Alarm:	85 dB at 10 feet
Temperature Range:	40° F to 100° F (4° C to 38° C)
Humidity Range:	5% to 95% RH
Interconnect:	Maximum 24 USI/Universal devices
LED:	Green=AC power, Red=alarm
Size:	5.63" x 5.63" x 1.75"
Warranty:	10 year limited

#### Regulatory Compliance:

Underwriters Laboratories (UL-US)  
Underwriters Laboratories Canada (ULC)  
California State Fire Marshal (CSFM) pending  
National Fire Protection Association (NFPA)  
Housing and Urban Development (HUD)  
Federal Housing Authority (FHA)  
UTGT / UTHA



MODEL	BRAND	Box		SHELF PACK (in.)	WEIGHT	UPC CODE	QTY	MASTER CTN (in.)	WEIGHT	I2 of 5
		Clam	QTY	L x H x W	(Lbs.)				(Lbs.)	
MDS107	USI	BX	1	5.63 x 6.63 x 1.75	0.80	0-42741-00107-6	4	7.25 x 6.75 x 8.50	3.20	1-00-42741-00107-3

**UNIVERSAL®**

#### Corporate Office

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