

# IoPhic® Smoke & Fire Alarm

## 120 Volt AC with Battery Backup

### Model MDS107



Protects Against **Both**™

Responds **87% Faster\*** To Slow Smoldering Fires

&

Responds Quickly To Fast Flaming Fires

\* 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

#### Benefits

Advanced smoke recognition	<i>Provides 87% faster response to smoldering fires than conventional smoke alarms</i>
Auto sensitivity calibration	<i>Eliminates inconsistencies which lead to nuisance alarms</i>
Self-diagnostic feature	<i>Performs a status check upon power up to ensure alarm is functioning properly</i>
Ambient condition compensation	<i>Automatically adjusts sensitivity for variations temperature and humidity conditions</i>
Quick Find® alarm origination feature	<i>Easily identifies first alarm to sound in interconnected system</i>
Quick activation pull tab	<i>Preserve battery life. Preinstalled battery is quickly activated without removing alarm from bracket</i>
Universal mounting bracket	<i>Fits any standard wiring junction box, single gang, round or octagon, up to 4"</i>
Larger mounting base	<i>Covers drywall imperfections and old paint marks</i>
End-of-service life warning	<i>Warning sounds when it is time to replace the alarm after approx. 10 years from date of activation</i>
Front-load battery drawer	<i>Replace battery without removing alarm from bracket</i>
Single silence/test button	<i>Temporarily quiets nonemergency alarms and tests alarm functionality</i>
2 tamper resistant locking features	<i>Prevents unauthorized removal of alarm or battery</i>
9 volt super-heavy duty battery	<i>Provides protection in the event of power outage</i>

#### 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 Clam	QTY	SHELF PACK (in.) L x H x W	WEIGHT (Lbs.)	UPC CODE	QTY	MASTER CTN (in.) L x H x W	WEIGHT (Lbs.)	I2 of 5
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

11407 Cronhill Dr., Suite A, Owings Mills, MD 21117

Phone: 800.390.4321

Fax: 410.363.2218

Web: www.UniversalSecurity.com www.UsiElectric.com



© 2010 Universal Security Instruments, Inc. 4.30.10