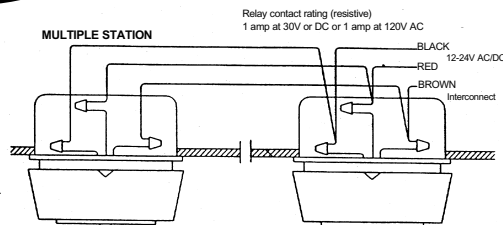
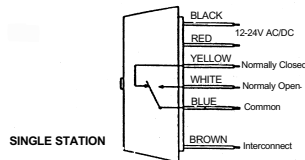
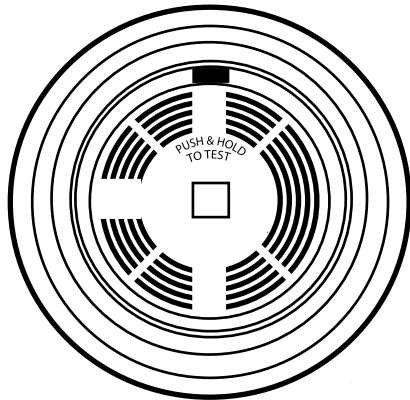


12/24 Volt AC or DC  
 Low Voltage Ionization Smoke Alarm  
 with Built-in Relay

# ASD100



## ARCHITECTURAL SPECIFICATIONS:

The smoke alarm shall be white or off-white in color, circular in design and powered by a 12/24V AC/DC power source. It shall utilize solid-state dual-ionization technology as its detection method. The smoke alarm shall be measured at no more than 50 mA in standby condition. The smoke alarm must have one set of Form C normally open or normally closed contacts. The relay contacts shall have a rating and a relay loading rating of 1A. The sensing chamber shall be insect resistant. The smoke alarm shall be capable of operating between 40°F and 100°F (4°C and 38°C) and within a humidity range of 10% to 85%. The smoke alarm shall have a red LED indicator light and it shall be lit continually while the unit is receiving power. For interconnected units, the red LED light shall flash in the originating unit and remain constant in the interconnected units. The built-in test button shall electronically activate the chamber to simulate smoke and check for proper operation. The electronic sounder shall sound at a minimum of 85 dB at 10 feet (3 m) if smoke is detected. The alarm shall be interconnectable with up to 11 compatible units. The unit shall be capable of mounting to any electrical box up to 4" in size and must utilize pigtails as its connection method. It shall have a separate base mounting plate and a gasket to place between the base plate and the alarm. **In Canada, the smoke alarm shall be listed to ULC Standard S531** and calibrated to the sensitivity specified by that standard. The smoke alarm shall be an American Sensors model ASD100 or equivalent.

## INTERCONNECTION:

The ASD100 may be interconnected with up to a maximum of 12 units. May also be interconnected to the following models:  
 American Sensors: ASD100, ASD200  
 Dicon: 330SR, 440SRIM  
 ASI Electronics: ASD100, ASD200  
 Maximum interconnect length is 150 feet ( 50 meters)

## TECHNICAL INFORMATION:

- |                       |  |
|-----------------------|--|
| Listings:             | ULC S531   |
| Detection Technology: | Dual-ionization  |
| Operating Voltage:    | 10-28 VAC or DC  |
| Standby Current:      | 50mA AC or DC  |
| Alarm Current:        | 145 mA AC, 65 mA DC  |
| Alarm Level:          | 85 dB at 10 feet (3 m)   |
| Interconnections:     | Up to 12 smoke alarms  |
| Relay Type:           | Form C (NO/NC)   |
| Relay Contact Rating: | Max. 1 amp 30 V DC/125V AC   |
| Indicator Light:      | Green LED remains on when unit is powered.<br>Red LED flashes when unit is in alarm. |
| Test Button:          | Electronically tests sensitivity, circuitry and horn                                 |
| Temperature:          | 40°F to 100°F (4°C to 38°C)  |
| Relative Humidity:    | 10% to 85%   |
| Dimensions:           | 5.25" diameter x 1.75" depth   |
| Model Replaces:       | Dicon 330SR  |

Specifications are subject to change.

## SHIPPING SPECIFICATIONS:

Item Number	ASD-100KA (Canada)
Unit UPC (Canada):	0 80715 83001 7
Box Dimensions:	5.3"(w) x 5.3"(h) x 2.5"(d)
Weight:	0.6 lb.
<i>10 Pack Master</i>	
Case UPC (Canada):	7 0080715 83001 6
Case Dimensions:	12.75" (l) x 11.5" (w) x 6.25" (h)
Weight:	6.4 lb.

Listings:



Dicon Global Inc.  
 20 Steelcase Road West, Unit 3  
 Markham, Ontario, Canada L3R 1B2  
 905-475-6006 Fax: 905-475-8560  
 info@diconglobal.com  
 www.diconglobal.com

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