

# Addressable Detection

*Power & Communications*

*via*

*Two-Wire Addressable*

*Multiplex Loop*

## AMS-220 Series Photoelectric Smoke Detectors

*A revolutionary design  
incorporating a uniquely designed  
90° smoke chamber  
and high RFI immunity,  
resulting in reliably superior detection  
and prevention of false alarms!*

For use with :

**MAXSYS®**

Hybrid Addressable Security System



- UL/ULC Listed
- 135°F (57°C) fixed temperature heat sensor option
- Exclusive (patented) smoke chamber design provides :
  - maximum smoke detection
  - exceptional resistance to dust, insects, and air turbulence thereby reducing the number of false alarms
- 90° smoke detection pattern
- RED solid-state LED indicator light
- Manual and programmable scheduled tests for low sensitivity and alarm operation
- Fully supervised by controller for :
  - low sensitivity
  - device fault
- Locking/non-locking mounting plate

**DSC®**  
Security Products

Digital Security Controls  
1645 Flint Road, Downsview, Ontario M3J2J6

## MODELS

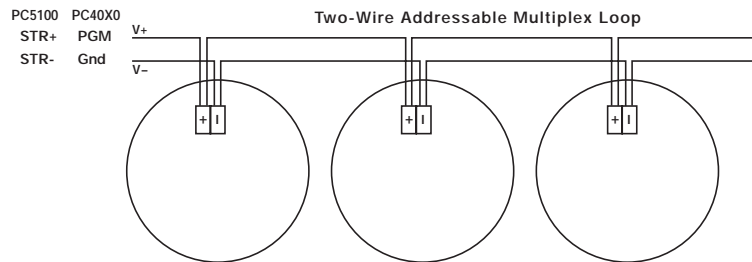
AMS-220	2-wire smoke detector
AMS-220T	2-wire smoke detector, fixed temp 135 °F (57 °C) heat sensor

## OPERATION

On alarm, the detector sends an alarm signal to the control panel. The alarm remains latched in the detector until it has been reported to the control panel and smoke has cleared from the detector.

Detectors with the Temperature Sensor (T) option do not reset until the alarm has been reported to the control panel and the high heat condition is relieved.

## WIRING DIAGRAM



## SPECIFICATIONS

Operating voltage .....	9 to 14VRMS*		
Current consumption	<b>Standby</b>	<b>Alarm</b>	<b>Test</b>
AMS-220.....	0.8mA	1.5mA	1.5mA
AMS-220T .....	0.8mA	1.5mA	1.5mA
Temp sensor .....	135 °F (57 °C) fixed		
Smoke sensitivity .....	2.0 %/ft (305mm) obscuration ±0.6 %/ft (305mm) (UL) 2.5 %/ft (305mm) obscuration ±0.5 %/ft (305mm) (ULC)		
Operating environment .....	32 to 122 °F (0 to 50 °C) 5 % to 95 % RH, non-condensing		
Dimensions .....	5.6"Ø x 2"D (14.2 x 5.1cm)		
Field test .....	Software programmable test options and/or Gemini 501 Smoke Alarm Analyzer		

\* compatible with DSC AML (Addressable Multiplex Loop) voltage



Digital Security Controls  
1645 Flint Road, Downsview, Ontario M3J2J6