

# Genius 100

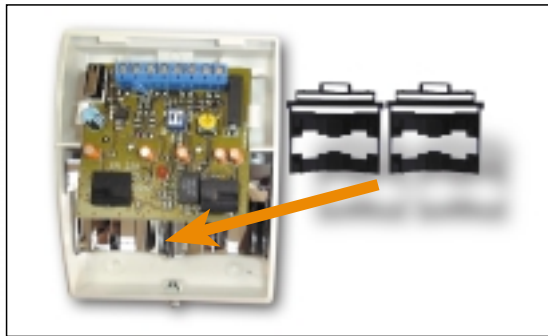
**Double Mirrors  
Double Dual Elements  
Double the Technology  
Double the Reliability...  
with Pet Immunity  
to 45Kg (99lbs)**



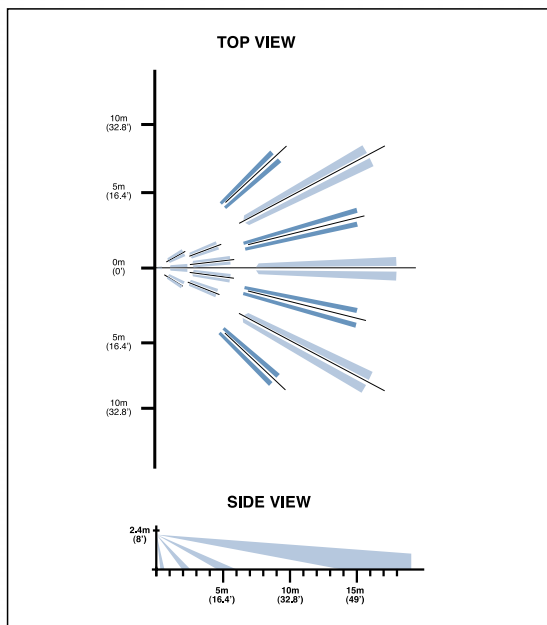
- Ultra high speed "intelligent" environmentally adaptive ASIC technology
- Ignores animals up to 45kg (99lbs) in size, without sacrificing catch performance thanks to the Pet Immunity Masks
- Requires no adjustments to operate in "pet friendly" mode
- Quick and easy calibration free installation - saves time and money
- Eliminates false alarms from birds, rats, mice and insects

  
*The Smart Detectors™*

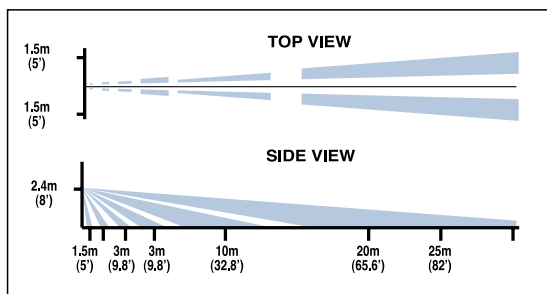
# Genius 100



**SPECIAL PET IMMUNITY MASKS DIRECTLY MOUNTED ON THE MIRRORS**



**WIDE ANGLE DETECTION PATTERN**



**LONG RANGE PATTERN**

“Twin” horizontally opposed dual element Mirror Optic detectors provide effortless pet discrimination up to 45kg (99lbs) - and yet maintains razor sharp intruder detection at all ranges.

## ***H o w   c a n   t h i s   b e   ?***

The “Genius 100” is the latest innovation in 3D thermal imaging from the Crow Laboratories. With a greatly improved 3D perspective of the detection area thanks to the horizontal alignment of its “Varifocal” mirror optics, the new “Genius 100” is better able to accurately distinguish between pets and human movement.

With a vastly improved optical system, the “Genius 100” can now more easily perform the higher levels of sophisticated processing necessary to offer this type of “pet discrimination”.

## **TECHNICAL SPECIFICATIONS**

Detection method	DOUBLE DUAL PIR	
Mirror Optics	Range/zones Wide Angle Mirror 15m(49') / 15	
	Range/zones Long Range Mirror 25m(82') / 6	
Wide Angle Mirror Field of View	90°	
LED	Walk Test enabled or disabled with internal jumper switch	
Supply Voltage	8.2 - 16 Vdc (12Vdc nominal)	
Current Draw	Active	7.3 mA
	Standby	6.5 mA
Pulse Count Options	1, Auto	
Temperature Compensation	Automatic	
Alarm Output	Normally Closed (fail-safe) Contacts. Rating 0.1A (Res.) 28VDC with 10 Ohm series protection resistor	
Tamper Output	Normally Closed Contacts. Rating 0.1A 28VDC with 10 Ohm series protection resistor - open when cover is removed	
Alarm Period	2 Sec +/- 0.5 Sec	
RFI Protection	30V/m 10-1000 MHz	
EMI	50,000V Lighting / Power through electrical interference	
Operating Temperature	-20°C to +50°C (-4°F to +122°F)	
Mounting Height	1.8m ~ 2.7m (6 ft ~ 9 ft) - Calibration Free	
Dimensions	mm	110 x 87 x 46
	inch	4.3 x 3.4 x 1.8
Weight	gr.	122
	oz.	4.4

NOTICE: Genius 100 passive infrared motion detectors are designed to detect intrusion and to send an electronic signal to alarm control systems, should intrusion occur. The warranty does not make the manufacturer or the distributor of Genius 100 an insurer nor shall either be liable for consequential damages resulting from any breach of warranty, express or implied, applicable to their use. Specific legal rights may vary from state to state in the United States and from province to province in Canada. Crow reserves the right change the above specifications without prior notice.



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**LOCAL REPRESENTATIVE**

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