



**50 FT WIDE ANGLE OR 80 FT  
CURTAIN PATTERN**

**ANTI-MASKING PROTECTION**

**TRIPLEX MIRROR OPTICS**

**BLACK MIRROR FOR ENHANCED  
VISIBLE LIGHT REJECTION**

**INTELLIGENT SIGNAL PROCESSING**

**TEMPERATURE COMPENSATION**

The IR270CT provides an enhanced level of security for high risk applications. Attempts to mask the sensor are detected and signaled to the control panel. Sprays, foil, or solid objects such as boxes, hats etc. are all detected.

Triplex mirror optics provide unrivaled security and false alarm rejection. 50 foot (15m) range wide angle coverage is standard. A 80 foot (25m) single curtain is available with the optional curtain mirror.

# IR270CT

## PASSIVE INFRARED SENSOR With Anti-Masking

### Black Mirror

The IR270CT's black mirror completely absorbs visible light, a leading cause of false alarms. By eliminating these signals optically, the IR270CT avoids the need to reduce detection sensitivity.

### Triplex Mirror Optics

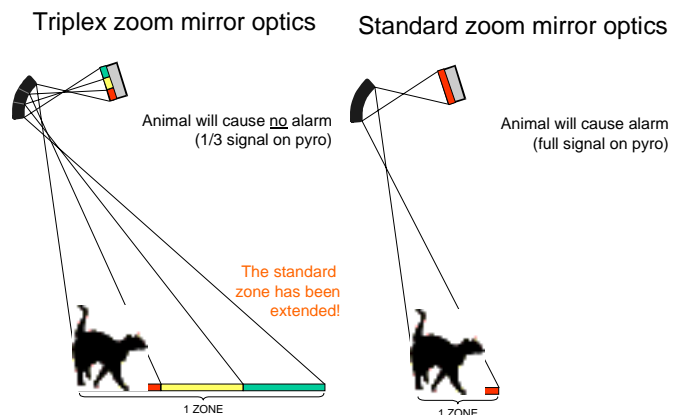
Siemens' unique triplex mirrors divide a detection zone into three vertical segments, providing a total of six pieces of information to be processed. These extra levels of logic allow the sensor to recognize the difference between a crawling intruder and a large dog.

### Uniform Sensitivity

Mirror optics provide uniform sensitivity throughout the coverage pattern without the problems of over- and under-sensitivity experienced by less sophisticated sensors.

### Outstanding False Alarm Immunity

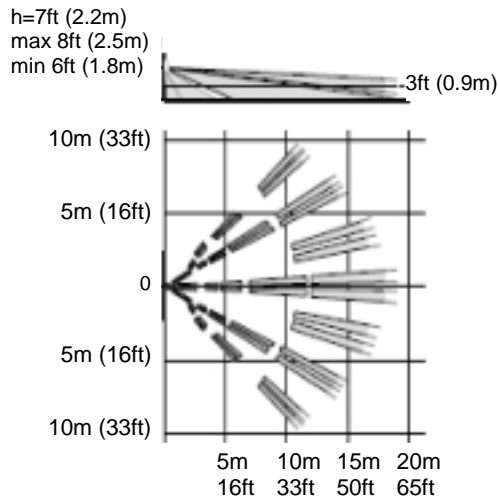
The IR270CT's sophisticated signal processing distinguishes reliably between intruders and environmental signals such as drafts, temperature fluctuations or electromagnetic interference.



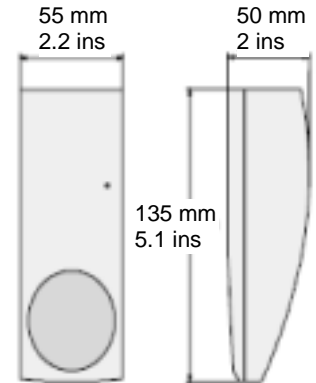
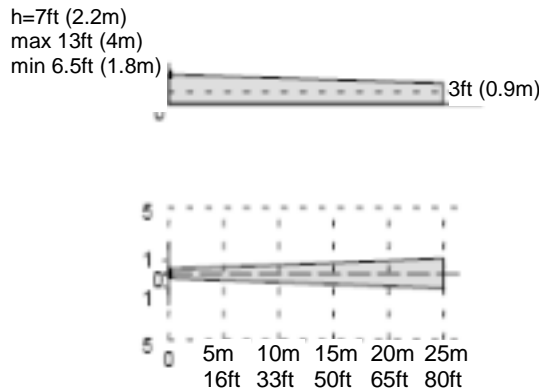
Triplex mirror optics extend the detection zone and divide it into three parts for pet immunity without compromising detection

## IR270CT COVERAGE PATTERNS

### Wide angle mirror (standard)



### Curtain mirror IRS272 (option)



## SPECIFICATIONS

Input Voltage:	12V DC (8—16VDC)
Max. Ripple	2.0 Vpp, 0-100mHz
Current Draw:	3mA standby; 12mA in alarm with LED on
Alarm Output:	Form A (NC) solid state relay rated 30VDC @ 100mA, series resistance <45 Ohms.
Alarm Duration:	2 to 3 seconds
Trouble/Mask Output	Form A (NC) solid state relay rated 30VDC @ 100mA, series resistance <45 Ohms.
Alarm Duration:	2 to 3 seconds
Tamper Contact:	30V DC @ 100mA
Control Inputs	Low ≤ 1.5V, High ≥
Detection Speed:	Wide Angle Mirror (standard) 0.35 to 12 ft per second (0.1 to 4 meters per sec.) Curtain Mirror (optional) 0.35 to 12 ft per second (0.1 to 4 meters per second)
Operating Temp.:	-4 to 131°F (-20 to +55°C)
Storage Temp:	-4 to 140°F (-20 to +60°C)
Humidity:	<95% relative humidity, non condensing
EMI Rejection:	>30V/m up to 1 GHz; 10V/m 1 to 2 Ghz.
UL Listed	

## HOW TO ORDER

IR270CT	Passive Infrared Sensor with Ant-Masking, UL Listed
IRS272	Curtain Mirror (Set of 4)
IRMC 104	Pet Clip
IRUM20	Swivel Wall Mount Bracket
IRUM30	Swivel Ceiling Mount Bracket