

**Côr™ Home Automation
Outdoor Motion Detector
PIR and Dual Technology
TX-2810-01-4-01**



Product Data



A170069

OVERVIEW

The TX-2810-01-4 outdoor motion detector uses two independent passive infrared sensors to detect and confirm movement.

Designed for maximum flexibility to accommodate a variety of applications, the TX-2810-01-4 detector features programmable options including a variable pulse count and a choice of three detection ranges. The integral dual-axis tilt sensor allows 180° of pan and 90° of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern which is concealed behind a protective UV lens.

With a wide operating temperature range and IP 65 rating, this sensor can be installed in a variety of challenging environments. Masking sliders and adhesive mask can be used to alter the field of view to match a camera or achieve pet immunity.

STANDARD FEATURES

- Selectable electronic range setting
- Attractive aesthetics
- 10 to 70° detection angle
- 180° pan and 90° tilt for flexible install
- Sensor module is hidden
- Built in EOL resistors
- High dust and humidity resistance (IP65)
- 2-year warranty (wireless)
- Back tamper switch
- Adjustable pulse count
- Masking sliders to modify field of view
- Average battery life of 3 years

SPECIFICATIONS

Description	TX-2810-01-4
Detection Area	Programmable: 10 m / 30 ft., 20 m / 66 ft., or 30 m / 98 ft.
Coverage	10 to 70° detection angle, 30 x 24 m / 98 x 79 ft. coverage max.
Adjustment	180° pan, 90° tilt
Fresnel Lens	28 zones for each detection element, which can be masked with the curtain sliders
Customized Optics	Double-silicon shielded quad element eliminates 50,000 lux of white light
Outputs	Silent, solid state, magnetically immune
N/O	Volt-free relay, signal contact 24VAC/DC at 50mA with an integral 25 Ω series resistor. Alarm time 5 seconds.
N/C	Volt-free relay, signal contact 24VAC/DC at 50mA with an integral 25 Ω series resistor. Alarm time 5 seconds.
Power Input	3VDC (2 x CR123) for 3 years; extendable to 5 years with 2 x CR123
Pulse Count	1 or 2
Temperature Compensation	Analogue (thermistor) and digital sensitivity adjustment
Control	Digital microprocessor with nonvolatile memory
Operating/Storage Temperature	-25 to +65°C / -13 to 149°F
Housing	High-impact ABS plastic with HDPE cover, UV stabilized
Dimensions (W x H x D)	5.79 x 7.36 x 5.51 in. (147 x 187 x 140 mm)
Weight	334 g net, 555 g gross / 11.77 oz net, 19.58 oz gross
Mounting Height	Variable up to 6m / 20 ft. – Optimum height 3m / 10 ft. for full range

ORDERING INFORMATION

TX-2810-01-4	Wireless 319.5 MHz Gen 2 Outdoor PIR Detector; 10/20/30m - 33/66/98 ft. selectable
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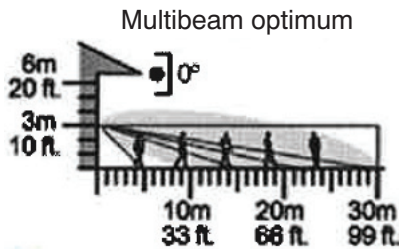


Fig. 1 - Beam Diagram

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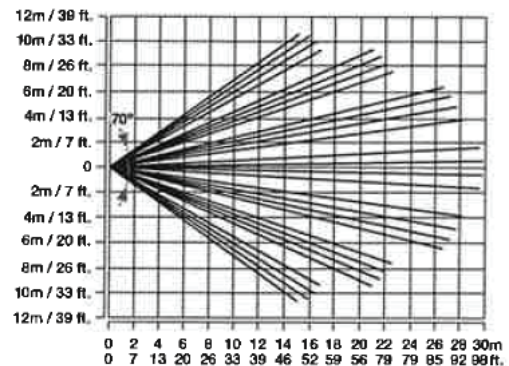


Fig. 2 - PIR Pattern

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