

Long Range PIR Curtain Sensor TTech-81

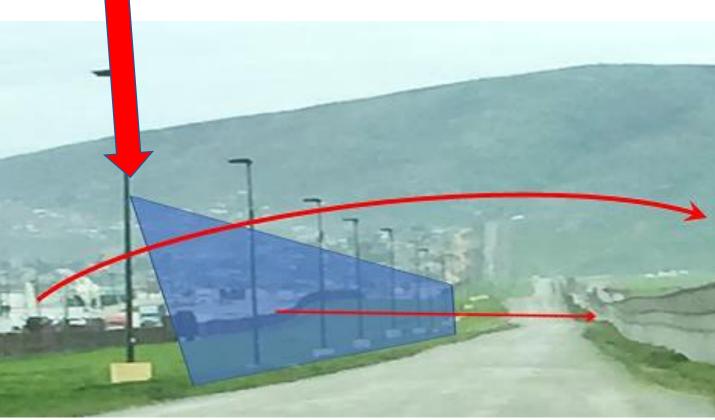


The TTech-81PIR Curtain Sensor has the ability to generate an invisible detection zone which will activate when subjects and objects are detected passing through it.

Subjects can be detected at 500+ feet away and Vehicles up to 1/2 mile and beyond. Field-Of-View is 1% wide, reducing false alerts and allowing very precise detection zone placements

The TTech-81 PIR curtain sensor may be removed from the solar support kit and used independently with battery packs in remote locations.

A simple contact closure is used to trigger network devices like BuckEye Cam and Vortex Sensors or any other device you choose.



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General Specifications

Mechanical

Weight 3.0 lbs (1.4 kg)

Size 3.50" (8.89 cm) dia x 12.93" (32.84 cm) long

Enclosure Painted PVC

Colors Green, White, Tan, Grey

Optical

Detectors Pyroelectric POD (Parallel Opposed Dual)

Lithium Tantalate integrated sensors

Electrical

(As a low voltage indication, unit will give continuous

alarm below 9.40 V).

Reverse voltage protected up to -20 Volts. Positive transient protected up to 60 Volts.

Supply Current 4.8 mA nominal, 5.0 mA maximum

11.0 mA with cover removed and alarm LED activate

Relay

Switch Configuration

Maximum Switching Current: 1.0 A
Maximum Switching Power: 30 W, 63 VA

Minimum Switching Capacity: 10 μA, 10 mVDC

Transistor Open collector, NPN, 40 VDC, 40 mA

Alarm Indication Internal Red LED (Active when back cover is remove

Sensitivity Adjustment Finger adjustable knob potentiometer with markings

at 10%, 50% and 100% (10:1 range)

18 AWG minimum

Environmental

Sealing Watertight hermetic seal, provided strain relief is

properly tightened around cable (RTV sealant is recommended) and rear cover is properly tightened.

NOTES:

- The internal aluminum housing from the front optical window to the rear PC board is hermetically sealed and nitrogen backfilled to prevent condensation of the optics at low temperature. Any disassembly of this unit will break the seal and void the warranty.
- 2. Foil shielded cable is recommended for RFI protection.