

DC Corded PIR Sensor setup instructions:

Main Use: Dual element detector element designed for human body detection (detects motion up to 10ft), signal generator for input triggering of haunt automation controller (where applicable, always check your controller's specs before wiring to a PIR).



Note: A PIR (Passive Infrared) sensor is **NOT** a prop controller. A PIR is a signal generator that creates pulse signals (rapid on and off, approx .5 sec) that are sent to a receiving automation controller such as an SD Keybanger, Efx-Tek Prop 1 Microcontroller, HE Animation Maestro, or Terror by Design UDT2 or Puppetmaster.

A PIR module has 3 connections:

1. GND: Ground or 5V DC negative, wired into controllers “-, NEG, or Negative” terminal
2. V+: 5V DC positive, wired into controllers “+, V+, POS, or Positive” terminal
3. OUT: Signal output, wired into controllers “signal in” terminal.

If you purchased a corded PIR sensor from DC, it has been wired with a “black” wire to GND, a “red” wire to V+, and a “white or green” wire to OUT.

Wiring a PIR improperly or connecting it directly to any voltage other than 5-10VDC will destroy it instantly. Blown PIR modules generally will either cause a controller to repeat constantly*

A small relay may be added to interface to higher power loads.

Troubleshooting:

(before applying power or testing, ensure all connections are correct)

Controller repeats: Remove the PIR and see if the controller repeats, if so the controller is configured improperly. If it does not repeat, reconnect the PIR and place it under a solid object such as a coffee cup. If it repeats, the PIR is most likely bad or wired improperly (which may have caused it to blow).

Controller will not trigger: Check controller settings, and jumper the input with a ground signal to see if the controller can be manually triggered. If controller starts, PIR is bad or wired improperly (which may have caused it to blow).

* Due to the fragile nature of PIR's, DC cannot offer any warranty. We test each PIR before it ships to ensure proper operation.