Connecticut Trail Census
A statewide multi-use trail user study
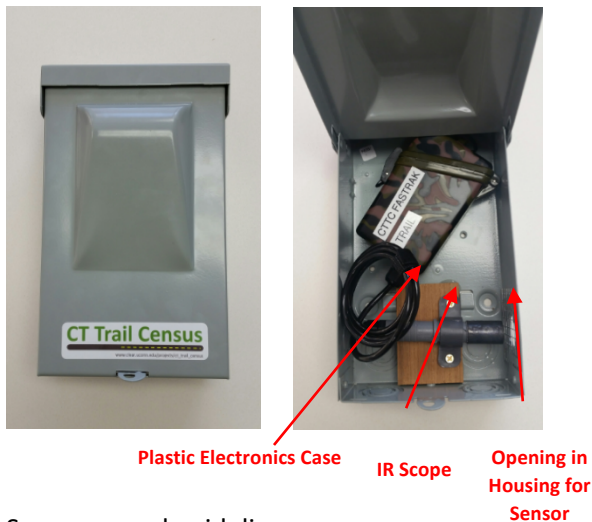www.cttrails.uconn.edu/ct_trail_census/

Infrared (IR) Pedestrian Counter Monitoring Instructions

We ask that Trail Coordinators check on the IR counters periodically (twice a month or so) to ensure that they are operating correctly and catch any issues early so that they can be resolved.
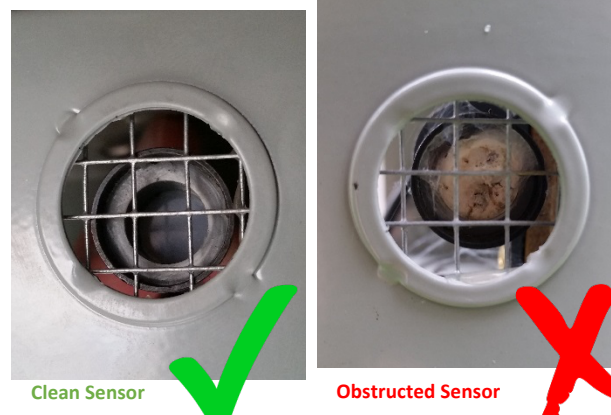
The IR Counters are locked in a metal junction box secured to a fixed object along the trail:

Plastic Electronics Case
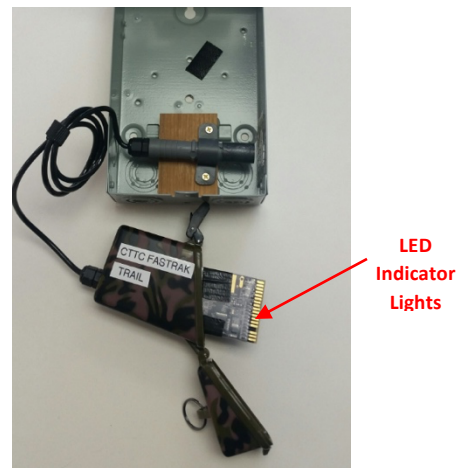
IR Scope

Opening in Housing for Sensor

Some general guidelines:

- Do not open the counters in wet weather. The electronics are especially sensitive to moisture. Make sure your hands are dry.
- Beware of bees and other insects that like to make nests in the counters. Always give the housing a tap before opening.
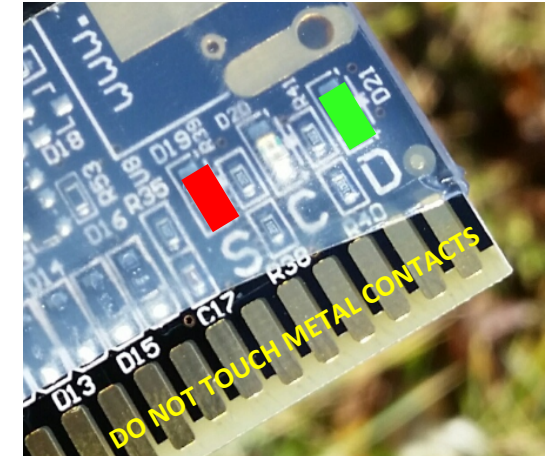
1. Make sure that the metal housing has not been tampered with or vandalized.

2. Check the scope sensor opening for foreign objects, insects or spider nests. You can use a Q-tip or small stick to GENTLY remove objects:

Clean Sensor   Obstructed Sensor

3. Unlock the housing and gently remove the waterproof plastic case. Make sure all components are still securely mounted to the box. Open the plastic case to see the counter electronics:

LED Indicator Lights

4. When operating normally, the **RED** LED indicator light (see below) should flash once every 5 seconds. The **GREEN** light should flash when, and only when an object passes the counter. Wave your hand in front of the sensor to make sure it is working. Do not touch the exposed metal contacts:

5. Seal the plastic box and place it back in the metal housing using the Velcro strips, close and lock the metal box.

What needs to be reported?

- Counter has been tampered with or vandalized.
- Scope was partially or entirely obstructed – even if you cleaned the scope out.
- Red light flashing rapidly or not at all.
- Green light not flashing when you pass your hand in front of the counter.
- Green light flashing without being tripped.
- Unsecured or broken components.

If you notice these or any other issues, report it immediately to cttrailcensus@gmail.com