



GreenTrapOnline: Remote monitoring for rodents

Introduction

It is usually not too difficult to identify the extent of activity, and the underlying cause, when investigating an established rodent infestation. However, in large and complex sites building a picture of activity and distribution can be a challenge. Similarly, it is not easy to identify the point at which eradication has been achieved, as it is far more difficult to prove the absence of rodents than it is to demonstrate their presence. *A monitor that demonstrates, with a high degree of certainty, where and when rodents are active, and when eradication has been achieved, is a very powerful tool.*

GreenTrapOnline(GTO) employs passive-infrared (PIR) sensors to monitor for rodent activity. Information about a case study in which we have used GTO is available [HERE](#)

The key benefits of GreenTrapOnline:

- Rodent monitoring 24/7, 365 days a year
- Doesn't require evidence from baits or traps to demonstrate rodent presence
- No reliance on your pest control contractor to tell you when rodents are present
- Real-time reports of activity
- No need to physically check devices to know what is going on
- Difficult or dangerous to access locations can potentially be monitored.
- ***Provides evidence for rodent absence; the most difficult thing of all to prove***



A GTO detector mounted on a length of plastic guttering. This mounting technique is preferred, as mice wary of entering bait stations should not be deterred from entering this tunnel.

We offer GTO as either a temporary installation for trouble-shooting purposes, or a permanent installation, which would typically be run in conjunction with your existing pest control service. ***This approach enables you to take a much more active role in rodent management on your premises.***

Temporary installations

Detectors would typically be installed for up to four weeks in the area(s) where problems are being experienced, or where evidence of zero rodent movement is required. If unexpected patterns of activity are detected, monitors might be relocated mid-way through the installation period.

The control box requires a standard 240 volt, 3-pin electrical socket and an internet connection. Connectivity can be achieved via a USB modem where the mobile phone signal is good. In areas where there is no (or weak) mobile phone signal an alternative connection (via LAN-ethernet connection) would be required.



Permanent installations

IMPORTANT NOTE:

GTO does NOT replace the need for regular inspection by a pest control service provider, but may reduce the frequency of routine inspection needed, particularly where inspections are being undertaken at two-weekly intervals or less.

Example: Integrating GTO into a site that currently relies on a conventional rodent monitoring programme:

Contract component	Conventional contract	Contract incorporating GTO
Routine inspections	<p><u>Contractor</u> 24 or 52 inspections per annum. Inspection to include:</p> <ul style="list-style-type: none"> • Full inspection of all areas of the site • Inspection of all rodent trapping points • Inspection of insect monitoring devices • Dating or barcode scanning of all monitors 	<p><u>GTO-Acheta</u></p> <ul style="list-style-type: none"> • 24/7 rodent monitoring • Activation alerts provided to you, in real-time • Monthly analysis, provided by Acheta concerning system status and activations summary <p><u>Contractor</u> 8 or 12 inspections per annum. Inspection to include:</p> <ul style="list-style-type: none"> • Full inspection of all areas of the site • Inspection of their own rodent and insect pest monitors • Dating or barcode scanning of their own monitors
Follow up protocol	As required by site or customer requirements	Unchanged, but evidence supporting any reported clearance of infestation would be provided by GTO
Field biologist (in-depth) inspections	4 per annum	4 per annum, split equally between the contractor and Acheta. Acheta inspection to include a verification report on the functionality of GTO

The graphs below show activations by date and by time of day, *examples of the real-time quantitative data that GTO generates.*

