



Timer and Radio Release Mechanisms

Capturing and recapturing for collar deployment is a stressful event for the animals and costly endeavour for the biologists. Lotek's drop off solutions are designed to reduce the cost associated with recapture, as well as the stress on the animal. The choices offered can cover deployment on a multiple array of species. The weights of drop offs vary from 10g – 121g , the release principles include timer, on-demand and low voltage trigger, and set-up for release up to 3 years. Contact your Telemetry Specialist to discuss suitability of dropoff model for your study goals.

Options

- Choice of 2 drop-off mechanisms: release by radio or timer. On-demand triggering allows full control of release location. Units equipped with radio are also equipped with timer as a backup.
- Either send existing collars to Lotek to be retrofitted, or do it yourself.
- Compatible with most Lotek GPS and VHF collars.

Features:

Versatility:

The dropoffs solutions are compatible with most Lotek GPS and VHF collars.

On-demand triggering:

Allows full control of release location.

Long battery life:

Units may be released on command or set for release up to 36 months from moment of deployment.

Model	Micro-TRD	TRD-L	TRD	TRRD
Weight (g)	10	30	40	121
Size (LxWxH) (mm)	28 x 15 x 12.5	32 x 30 x 22	32 x 30 x 22	61 x 41 x 25
Life (months)	12	36	36	36
Time resolution ^[1]	Set days, 365 max.	1 week increments		
Time programming ^[2]	At Lotek only			
Operating distance	-	-	-	~500m in line of sight
Tensile strength (kg)	10	30	400	400

1. Activation by relative time function (not absolute time) is initiated when a magnet is removed from the mechanism. Excludes Micro-TRD, which is activated by a magnet.
2. Once a time is programmed into the mechanism at Lotek, it cannot be changed unless the electronics are replaced.



Micro-TRD



TRD-L / TRD



TRRD

Technical specifications:

Operating temperature range: -30°C to +50°C

Warranty

Contact one of our telemetry specialists for details about our warranty. For Warranty terms and conditions, please review our [Warranty Statement](#).