



# Infrared (IR) Tactical Beacon System w/Red Indicator Light

## Addendum to User Manual

WARNING: Avoid staring directly at units when in operation. Follow other warnings in the primary user manual.

This User Manual Addendum is for the PowerFlare® Infrared (IR) Tactical Beacon. Follow the instructions in the normal User Manual for procedures not covered herein.

The PowerFlare® Tactical Beacon is compatible with all generations (i.e., "GEN3") of night vision equipment.

Some night vision equipment utilizes automatic gain control (AGC) which will make the IR light output of the Beacon seem less-bright under certain conditions. Performance should be evaluated by how far the PowerFlare light can be seen, as opposed to how "bright" it appears in the NVG/NVD viewfinder.

### Activation & Operation

The flash patterns and run times will be the same as the red-visible version of the model (see the primary Manual).

***There is a small, red indicator light (pilot light) that illuminates when the unit is on. To view this light, hold the unit with the lanyard tab facing down and the face of the unit towards you. Glance straight down and it will be near the 10 o'clock position. (Again: Minimize looking directly at the unit when it is operating.)***

If you are wearing NVGs, you can just look at the unit to determine the pattern selected or to view the units charge status in the charger.

***TIP:*** If you activate the unit (or think it might be on) and do not have NVG equipment handy or can't view the indicator light (because of bright sun), you can make sure the unit is off by holding down the switch for 3 seconds.

You can also use this feature to emit a brief IR "squawk". With the unit in the off position, simply press and hold the power button. It will flash once and turn back off. This could be useful for covert signaling such as when a combat search and rescue (CSAR) aircraft is trying to localize on your position.

### Applications:

As with the visible-light versions, PowerFlare IR units can be used for a wide range of applications, such as:

- ❑ marking areas
- ❑ illumination
- ❑ aircraft landing or drop zones
- ❑ weapon sighting & targeting
- ❑ identify friend/foe (IFF)

The IR unit can provide increased ambient lighting for tactical operations in dark environments. Deployment of a PowerFlare IR unit in a windowless warehouse, for example, will illuminate dark corners and increase the visible range of NVGs. Use the solid-on mode for this application.

The Beacon can also be used with FLIR (forward-looking infrared) systems on helicopters. The Beacon does not emit in the "thermal" IR band so it will not be affected by ambient heat radiation in the area. The FLIR system should be switched to low-light camera mode to detect the Beacon.

There are numerous identification and signaling uses for the Beacon, including marking personnel and assets, etc. For example, Beacons can be attached to personnel (even K-9s) to facilitate identification. Air support, for example, will be able to identify your team more easily via NVGs.

We are interested in your input to help us improve our product. If you have any questions or comments, please contact:

PowerFlare Corporation  
Attention: Customer Service  
P.O. Box 7615  
Menlo Park, CA 94026-7615

e-mail [support@powerflare.com](mailto:support@powerflare.com)