

HEL-STAR® - DESIGNATOR THREAT ALERT™



HEL-STAR® DTA

HEL-STAR DTA provides forward operators with a haptic alert inside the helmet when lased by ground-based laser designators or aircraft targeting lasers. This feature combines the multi-function personnel marking capabilities of the HEL-STAR 6® with the active IFF sense & alert technology of HEL-STAR F2® into an essential piece of kit for JTAC, TACP, CCT and other forward personnel.

DTA OPERATION

- HEL-STAR DTA mounts on a helmet shell or helmet cover with available Velcro® or a choice of HEL-STAR Attach Patches.
- A User Feedback Module (UFM) is a cable with an integral haptic alert that attaches to the back of the DTA body and is routed inside the helmet.
- The HEL-STAR DTA sense & alert system is ON when any of the four visible, covert or black-out operating modes are ON.
- HEL-STAR DTA detects when lased by incoming 1064nm aircraft targeting lasers and ground-based laser designators and sends a strong haptic warning alert to the operator.
- HEL-STAR DTA detects and sends a haptic alert when ranged by a 1550nm PLRF.
- It can also be used for personnel marking. Three user-selected modes can be in White, Red, Blue, Green, NIR or SWIR in a variety of light intensities, flash rates or in steady.
- **Blackout Mode:** Position B2 on HEL-STAR DTA has the laser sense & alert system ON only, No Emission (visible or covert).

DTA-101 DEMO

This DTA DEMO is made for testing only. The IFF/laser designation confirmation is programmed to flash in RED on a witness light that is attached to the user feedback cable (UFM). **The actual DTA will not emit light when lased, it will only vibrate inside the helmet through the UFM cable.**

DEMO Functions: The functions on this test unit were configured for a particular customer who is evaluating this device. Other colors and NIR/SWIR functions are also available. The functions on this test unit are:

A1: White (Flash/Bright), A2: Red (Flash/Bright), B1: IR (Flash/Bright), B2: Blackout Mode (No emission, Only laser detection)



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Patent Pending

14 Oct 2020