

# Thermal Beacon

The bright signal



## Thermal Beacon MS-DMR (Multi Spectral, Directional, Medium Range)

### General

The Thermal-Beacon is an innovative and unique infrared emitter, radiates in the thermal spectrum (3-5 micron) and does not emit radiation in the visible or the near infrared region. It is used as an identification device in the thermal spectrum region, for use with people, vehicles, yachts, pilots, police SWAT teams, SAR, emergency services and mountain rescue teams.

The MS (Multi Spectral) version allows the user to control the spectrum of radiation from the following:

- Only thermal region (for thermal cameras)
- Only near infrared region (for image intensifiers and SLS)
- Both thermal and near infrared regions simultaneously.

### Specifications

- **Performances:**  
Recognition ranges: 4 km (using 3-5 micron camera with InSb detector and 250mm lens)  
and 10 km (using night vision goggles)  
Radiation divergence: 100°
- **Electrical:**  
Battery: 4 lithium batteries, 2/3A-size  
Average current consumption: less than 100 mA @ 12 VDC
- **Physical:**  
Construction: black anodized aluminium  
Dimensions: emitter unit 18mm X 18mm X 25mm, battery unit  $\phi$ 22mm X 140mm  
Weight: 250 gr.
- **Environmental Conditions:** according to MIL-STD-810E (consult manufacturer for spec.)



MS-DMR - cable connection



MS-DMR - rigid connection



Personal Battery Unit (PBU)