

PROGRAMMABLE PORTABLE THERMAL BEACON



The Programmable Portable Thermal Beacon is an extremely robust thermal marker beacon designed for hand held, tripod and vehicle mounted applications.

Transmitting in the 2 to 12 micrometre range it emits a string of intense narrow beam thermal pulses from the front facing emission window. The pulse string is fully programmable in terms of mark space ratio/duration and beam intensity. An unlimited range of covert encoded signals is thus possible.

Programming is performed over the standard two core cable using a simple interface unit.

This beacon is suited to signalling from personnel, vehicles, landing zones and many other applications.

Simple set up: Just connect to the power supply and its programmed string is repeatedly emitted.

The Portable Thermal Beacon is small, lightweight, waterproof and very robust making it suitable for all battlefield environments.

Beam format:	Uni-directional narrow beam pulse string with programmable mark, space and intensity. The programmed string is automatically repeated.
Beam type:	Thermal in the frequency range 2 to 12 micrometres.
Beam angle:	30 degrees (90% power emission zone).
Viewing range:	6.25 miles 10 Km with suitable thermal imaging cameras.
Beacon weight:	0.968 lbs 440g (depending on configuration).
Beacon dimensions:	3.54" x 3.54" x 10" 90 x 90 x 245mm (W x D x H) in standard form excluding cable
Beacon construction:	Fully machined aluminium anodised body and polycarbonate shroud. Fully waterproof with protection shield to the emission window.
Power supply:	+/- 10 to 32 volts withstanding transients of +/- 200 volts. Nominally this is a standard 12/24 volt vehicle supply or portable battery. <10 watts total power consumption.
Power feed:	Tough 2 core 2 metre long cable.
Programming unit:	Programs the beacon via the standard two core cable. Contact Cejay Engineering for more details.
Mounting:	Tripod: Standard camera thread in the base. Magnetic base – optional. Vehicle mount base – optional. Hand held

All information included in this specification as well as the designed product is subject to change. Please see our web site at www.cejayeng.com for the most current information on our product suite. No component of this product or specification is available for distribution to any party without the expressed written consent of Cejay Engineering LLC.



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