FEC HELIPORTS & HELIPORT EQUIPMENT
Designed, Manufactured and Installed...we do it all.

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Programmable LED Location & Identification Beacon

Available as three or single colour units, using high brightness LEDs and advanced micro-electronics to provide a range of pre-programmed and user field-selectable operating modes with on-board switches to enable different maximum light output levels to be set and to enable control which quadrants of light are active

Depending on Beacon type, the modes which may be selected include:

o   FAA L-802H Civil Helipad Beacon - 36 Flashes per Minute [FPM], 75ms pulse width
o   US Army Helipad Pattern (as per TM 5-811-5) 36 Flashes per Minute, 50ms pulses White (double Peak) – Green - Yellow
o   FAA L-802M Military Helipad Beacon - 17.3 FPM, 100ms pulse width
o   2 Location beacon modes:
     o   Modified ICAO pattern (short [2mS] and long [25mS] pulse) - 30 FPM
     o   25 FPM UK CAA and Transport Canada timing compliant
o   2 Morse beacon modes: 4 - 6 WPM (Words Per Minute): 1, 2 and 3 character code options
o   Rotating (simulated) and flashing beacon modes
o   Provision for an additional 8 custom patterns

For more information contact us at: sales@heliportsequipment.com
www.heliportsequipment.com   -   www.fecheliports.com

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Quadrant Control

There may be situations where an operator requires that the beacon is only visible from certain directions (for example, to avoid dazzling pilots or causing a distraction).

Usually this would require the operator to fit screening or similar but with the FEC Programmable Location & Identification Beacon this is simply achieved by disabling the relevant array(s) by means of simple switches on the main circuit board.

To disable a particular array simply slide the switch to ON (Disable) using the tip of a ball point pen or similar tool. The relevant array(s) will remain permanently disabled in all programming modes until the switch(es) are turned off again.

As shipped, all of the arrays are enabled (all Array Disable switches – Off) giving the full 360o pattern as shown 360 Quadrant 4:4 Arrays opposite.
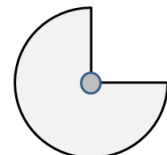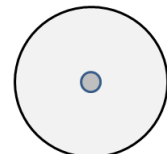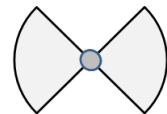

90° Quadrant 1:4 Arrays

180° Quadrant 2:4 Arrays

270° Quadrant 3:4 Arrays

360° Quadrant 4:4 Arrays

Bi-Polar 2:4 Arrays

Specification

Electrical Characteristics

Operating voltage: 48V
Absolute voltage range 40V – 55V DC
Average power consumption: Less than 20 watts
Electrical protection: On-board fuse: 4 Amp (spare fuse on board) and polarity protection
LED Lifetime (projected): >50,000 hours
Relay contact output for alarm monitoring

LED Colour Characteristics

Standard:
White: 6000°K/6500°K 'Cool White'
Green: 528nm
Yellow: 590nm
Options: Red 625nm; Red-Orange 617nm; Hyper Red 656nm or Deep Blue 455nm

Physical Characteristics

7 1/16 inches tall (177.8mm
1" NPT hub for pole mounting.
Locating pin in base to enable precise orientation for quadrant management
Degree of protection: IP66
Operating temperature: -25°C to +50°C
Storage temperature: -25°C to +80°C
Long-life, quiet, low-power Internal cooling fan

Level Setting Switches

Maximum brightness to be set to 4 levels:-
100% of Maximum Level (Factory Set Default)
60% of Maximum Level
30% of Maximum Level
10% of Maximum Level

For more details, prices and to download user manual visit www.heliportsequipment.com
Email: sales@heliportsequipment.com or call Fraser Mackay on +44 1494 775226 to discuss your needs