FEC HELIPORTS

WORLD HEADQUARTERS
5228 River Road
Cincinnati, Ohio 45233

PHONE: 513-577-5150
TOLL FREE: 1-877-HELIPAD

PROGRAMMABLE LED LOCATION & IDENTIFICATION BEACON

HP 2040

Available as three or single color 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:

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

TECHNICAL DETAILS

Operating Voltage:
120-240VAC

Average power consumption:
Less than 90 watts

Operating Temperature:
- 13^{0}f to 122^{0}f
- 25^{0}c to 50^{0}c

Storage temperature:
- 13^{0}f to 176^{0}f
- 25^{0}c to 80^{0}c

Operating Lifespan:
LED's Rated to 50,000 hrs

Projected LED Lifetime:
>50,000
Relay contact output for alarm monitoring hours

Physical Characteristics:
8 inches tall
7.063" Bolt Circle
Degree of protection: IP66

LED Color Characteristics:
White: 6000oK/6500oK
'Cool White'
Green: 528nm
Yellow: 590nm
Options: Red 625nm; Red-Orange 617nm;
Hyper Red 656nm or Deep Blue 455nm

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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.