

Application

- flash beacon for heliport
- the distance visual guidance there where it is not provided by other visual means or where the identification of heliport is made difficult by surrounding lights

Certificate basis

- ICAO Annex 14, Volume II

Description/Properties

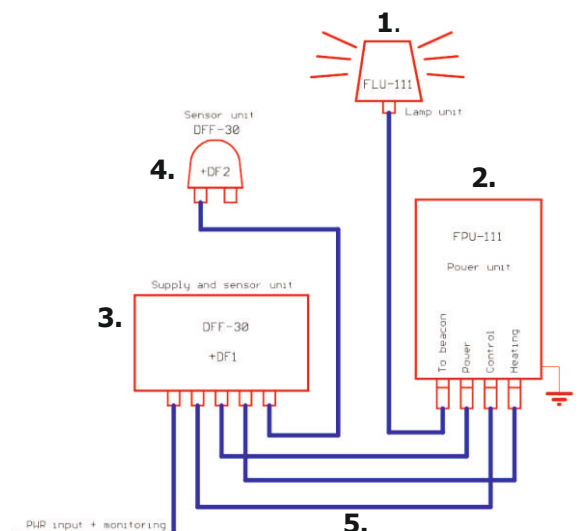
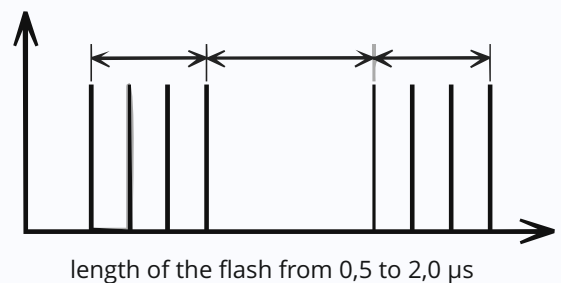
- beacon emits repeatedly series of four flashes lasting 0,5 to 2 ms within 0,8 s
- each series is separated from the next one by time interval of 1,2 s
- three levels of brightness (100%, 10%, 3%)
- automatic control of the brightness level of the flash in dependence to ambient light intensity using the photocell prevents from dazzling the pilot and saves energy at the same time
- low power consumption
- small size allows its placement close to the heliport without risk of creating obstacles
- optional heating resistor



Construction

1. omnidirectional flash beacon head FLU-111
2. cabinet with power supply unit FPU-111
3. interconnection cabinet with twilight switches DFF-30 (Df1)
4. cabinet with photocells DFF-30 (Df2)
5. power supply and interconnection cables

intensity



chapter:

9.3.2

FL 111

**Connection / supplying**

- power and connection cables are included in supply
- maximum distance between the power unit and a flash is 7 m (10 m optional)

Mechanical parameters

- omnidirectional flash beacon head
 - weight 7 kg
 - dimensions 310×265×265 mm
- cabinet with power supply unit FPU-111
 - weight 12 kg
 - dimensions 400×300×150 mm
- interconnection cabinet with twilight switches DFF-30 (DF1)
 - weight 2,7 kg
 - dimensions 160×260×90 mm
- cabinet with photocells DFF-30 (DF2)
 - weight 1 kg
 - dimensions 75×95×85 mm

Electrical parameters

- supply voltage 230 V ~ (50/60 Hz)
- voltage of remote control +24 V DC
- control of brightness (three steps)
100 %, 10%, 3 %
- power 200 W
- insulation resistance 50 MΩ/100 V DC

Operating conditions

- protection IP 55
- operating temperature $\pm 55^{\circ}\text{C}$
- heating resistor is optionally available for utilization in areas with high humidity, or in areas when temperature can drop below -20°C
- resistance to wind and exhaust gases
- resistance to UV radiation
- resistance to corrosion (salt mist)

Source of light

- special xenon lamp
- lamp lifespan >10 000 h

Ordering codes

- 316-106T

