# Quick Mounting Flashing Alarms 15 / 5 / 2,5 joules

**New!**

**FP 150 / FP 050 / FP 025**

- flashing light available in three different power ratings: 2,5, 5 and 15 joules. Designed for various applications within the industrial or public sector
- time saving installation; without tedious disassembling of the unit prior to installation as a result of the modular distribution and screw less "snap-on" technique for assembling the base plate and the cover
- excellent price-performance-ratio leading to cost efficiency combined with a reliable alarm
- variable mounting options: horizontal, wall mounted, on stand (accessory) - a multipurpose flashing light

| IP 54 | + 50 °C / − 30 °C | + 70 °C / − 40 °C | 90% |
|---|---|---|---|
| Protective system | Operational temperature | Storage temperature | Relative humidity |

## Optical data:

|  | FP 150 | FP 050 | FP 025 |
|---|---|---|---|
| Flashing energy | 15 joules | 5 joules | 2,5 joules |
| Light intensity (DIN 5037): |  |  |  |
| clear | 214 candela | 44 cd | 7,8 cd |
| white | 156 cd | 31 cd | 6,1 cd |
| yellow | 149 cd | 33 cd | 5,5 cd |
| amber | 122 cd | 26 cd | 4,0 cd |
| red | 28 cd | 9 cd | 1,6 cd |
| green | 60 cd | 28 cd | 5,7 cd |
| blue | 28 cd | 8 cd | 1,5 cd |

| Flashing sequence: | 1 Hz = 60 flashes/min |
|---|---|
| Service life: | after 8.000.000 flashes still 70% light emission |
| Duty cycle: | 100% |

## Electrical data: **AC** 50 Hz / 60 Hz

| Nominal voltage | Electrical data | FP 150 | FP 050 | FP 025 |
|---|---|---|---|---|
| 230 V | Voltage range: Rated current: | 185 V ... 255 V 190 mA | 185 V ... 255 V 55 mA | 185 V ... 255 V 18 mA |

**DC**

| Nominal voltage | Electrical data | FP 150 | FP 050 | FP 025 |
|---|---|---|---|---|
| 24 V | Voltage range: Rated current: | 18 V ... 30 V 700 mA | 18 V ... 35 V 230 mA | 18 V ... 35 V 150 mA |

## Mounting methods:

direct mounting

2 x M5 self tapping-, hexagonal-, or cylinder-head screw

1.) 48

2.) 48

3.) Ø 54 Ø 4,6 13,5 30° 13,5 47

optional: sealing

2 x 4,2 self tapping screw

bracket mounting

1.) Y

2.) 40 M16 x 1,5

30° 13,5 Ø 54 47 "Y" 13,5 4,6

76 Ø 4,6 51 16

mounting stand

42 Ø 71 Ø 5,5 Ø 10 Ø 54
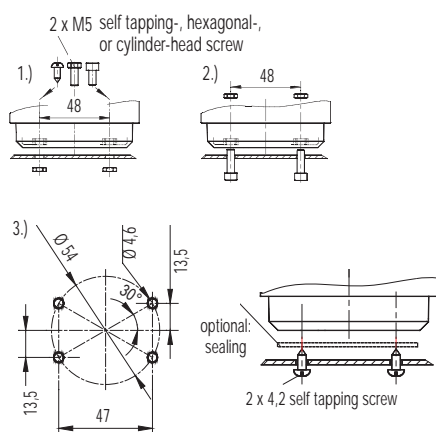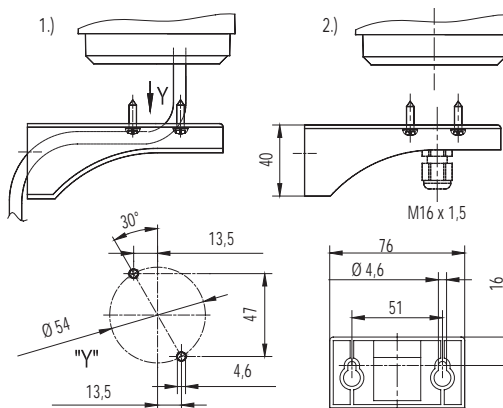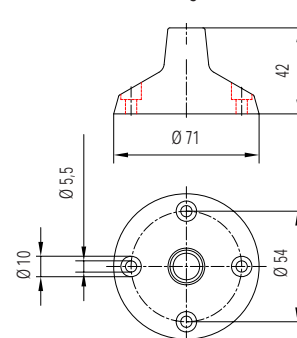
## Mechanical data and dimensions:



membrane spout
20 mm

Ø 80

84

266

17

"X"

2 holes for
M5 screw

27

Ø 93

X

optional:
wall mounting bracket

48

FP bracket mounting

FP direct mounting

FP with mounting stand
250 mm

FP with mounting stand
400 mm
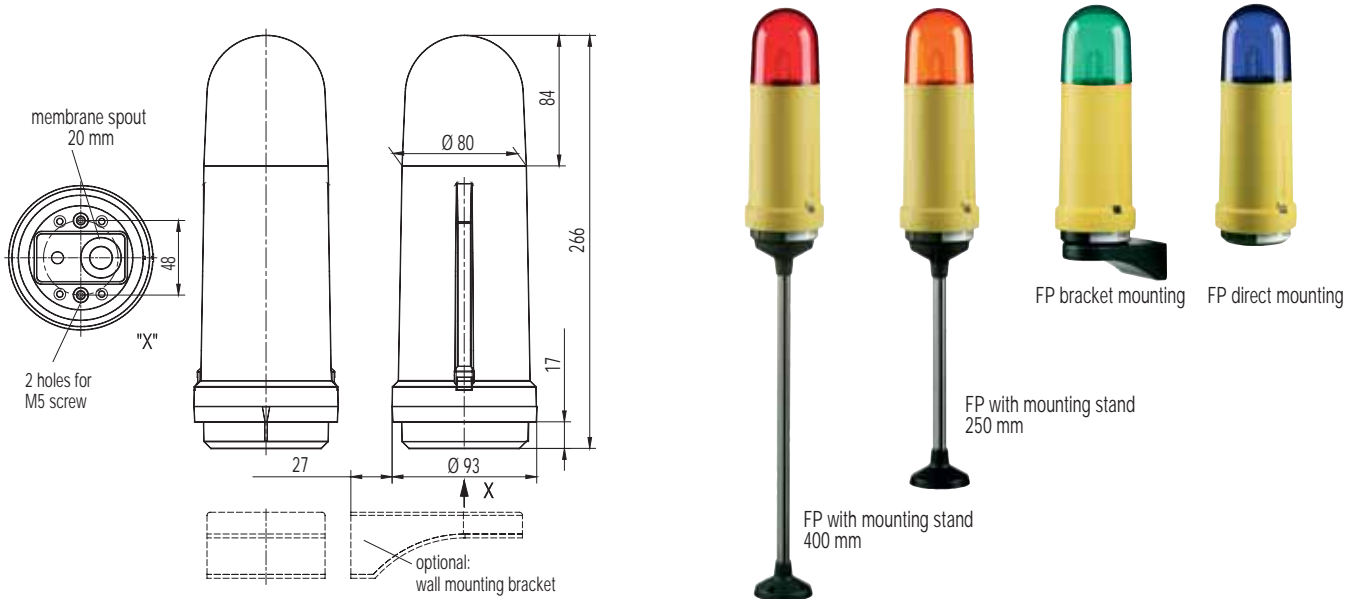
| Mechanical data: | FP 150 | | FP 050 | | FP 025 | |
|---|---|---|---|---|---|---|
| | AC | DC | AC | DC | AC | DC |
| Cable gland | membrane spout | | | | | |
| Weight | 400 g | 550 g | 400 g | 550 g | 400 g | 550 g |
| Material globe | Polycarbonate (PC) | | | | | |
| Material housing | Polyamide PA 6.6 GF 15 | | | | | |
| Material base | Polyamide PA 6.6 GF 15 | | | | | |
| Dimensions Height | approx. 266 mm | | | | | |
| Diameter (max.) | approx. 93 mm | | | | | |
| **Standard:** | | | | | | |
| Operational temperature | −30 °C … +50 °C | | | | | |
| Storage temperature | −40 °C … +70 °C | | | | | |
| Relative humidity | 90% | | | | | |
| Protective system | IP 54 (EN 60529 by vertical installation) | | | | | |

## Accessories :

**Wall-mounting bracket** with wire protection

**Mounting stand** available in 250 or 400mm length with sealing

**Sample order:**

| Model: | Voltage: | Globe colour: | Accessory: |
|---|---|---|---|
| FP 050 | 230 V AC | YELLOW | wall-mounting bracket |

## Conformity to standard:

The optical properties of flashing lights comply with the European standard DIN EN 842, which is published under the title:
**"Machine safety – visual alarm signals".**
Requirements of the standard DIN EN 981, published under the title:
**"Machine safety – system of acoustic / visual alarm signals and information signals"** can be met.
The colour "red" as emergency signal and "yellow" as a warning signal comply with the requirements of IEC 73 / DIN EN 60073 / VDE 0199, published under the title:
**"Coding for display devices and control components using colours and supplementary means".**

References to visual alarm devices can be found in the following standards:
EN 60825-1      Radiation safety of laser devices defined by IEC 825 and DIN-VDE 0837
DIN EN 54        Fire alarm systems, design of
DIN 54113-2     Regulations for radiation protection applicable to technical operation of X-ray equipment up to 500 kV

We reserve the right to technical alterations.Subject to correction. 075000044