# PYRA FLASHING LIGHT SOUNDERS 100 dB(A) / 5/10 J
# PY X-MA-05 / PY X-MA-10



- Safe – an incorrect installation is virtually impossible
- Easy – significantly shorter assembly and installation times
- Economical – largest possible signaling range due to effective Xenon technology.
- Installation options with external lugs or internal holes.
- Choice of 4 different flash rates via DIP switch.
- Electronic constant current regulation at 24 V AC/DC devices to avoid load fluctuations.
- Integrated inrush current limitation and undervoltage detection.
- Providing full synchronisation on multi-flashing light systems.
- Light and sounder can be controlled separately.

IP 66 – protection system
IK08 – impact-proof housing
+55 °C / –40 °C – operating temperature
10 Years – warranty

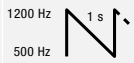
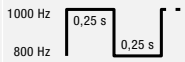
| PRODUCT | PY X-MA-05 | | |
|---|---|---|---|
| DATA | | | |
| Operating range | 187–255 V<br>AC 50 I 60 Hz | 90–135 V<br>AC 50 I 60 Hz | AC: 18–30 V / DC: 10–57 V<br>AC 50 I 60 Hz / DC |
| Nominal current consumption [1] | 70–75 mA | 120–140 mA | AC: 310 mA<br>DC: 280 mA @ 24 V |

| PRODUCT | PY X-MA-10 | | |
|---|---|---|---|
| DATA | | | |
| Operating range | 187–255 V<br>AC 50 I 60 Hz | 90–135 V<br>AC 50 I 60 Hz | 10–57 V<br>DC |
| Nominal current consumption [1] | 160–165 mA | 250–270 mA | 540 mA @ 24 V |

| PRODUCT | | PY X-MA-05 | PY X-MA-10 |
|---|---|---|---|
| Sound pressure level | | 100 dB(A) | |
| Sound level reduction | | max. –20 dB via potentiometer | |
| Alarm tones | | 8 | |
| Flash energy and flash rate | | 5 J @ 0.1 I 0.5 I 0.75 I 1 Hz | 10 J @ 0.1 I 0.5 I 0.75 I 1 Hz |
| Light intensity (DIN 5037) [2] | | 56 cd | 149 cd |
| Operating temperature | | –40 °C ... +55 °C | |
| Storage temperature | | –40 °C ... +70 °C | |
| Relative humidity | | 90 % | |
| Protection system (EN 60529) | | IP 66 | |
| Protection class | | II | |
| Service life of the light source | | light emission still 70 % after 8,000,000 flashes | |
| Material | base part | PC / ABS, RAL 3000 (flame red) / RAL 7035 (light grey) | |
| | lens flashing light | polycarbonate (PC) | |
| Cable entry | | 2x M20 on side, 1x M20 on bottom | |
| Integrated seal with cable entry | | 6–13 mm | |
| Connecting terminals | | 2.5 mm² fine wire, AWG 16 | |
| Weight | AC | 620 g | 660 g |
| | AC/DC | 560 g | 580 g |

[1] power consumption dependent on operating voltage
[2] with a clear lens

## TONE TABLE

| NO. | DESCRIPTION | |
|---|---|---|
| 2 | Sawtooth, DIN tone 33404-3 Germany (emergency signal), PFEER PTAP |   |
| 9 | Slow whoop, fi re alarm, UK BS5839-1 |   |
| 131 | Alternating tone, UK BS5839-1 (fi re alarm, railway crossing) |   |

[1] factory setting

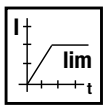
| NO. | DESCRIPTION | |
|---|---|---|
| 160 | Continuous tone (horn) |   |
| 161 | Continuous tone |   |
| 162 [1] | Interrupted tone |   |
| 163 | Interrupted tone |   |
| 164 | Slow whoop |   |

## OPTIONS/ACCESSORIES









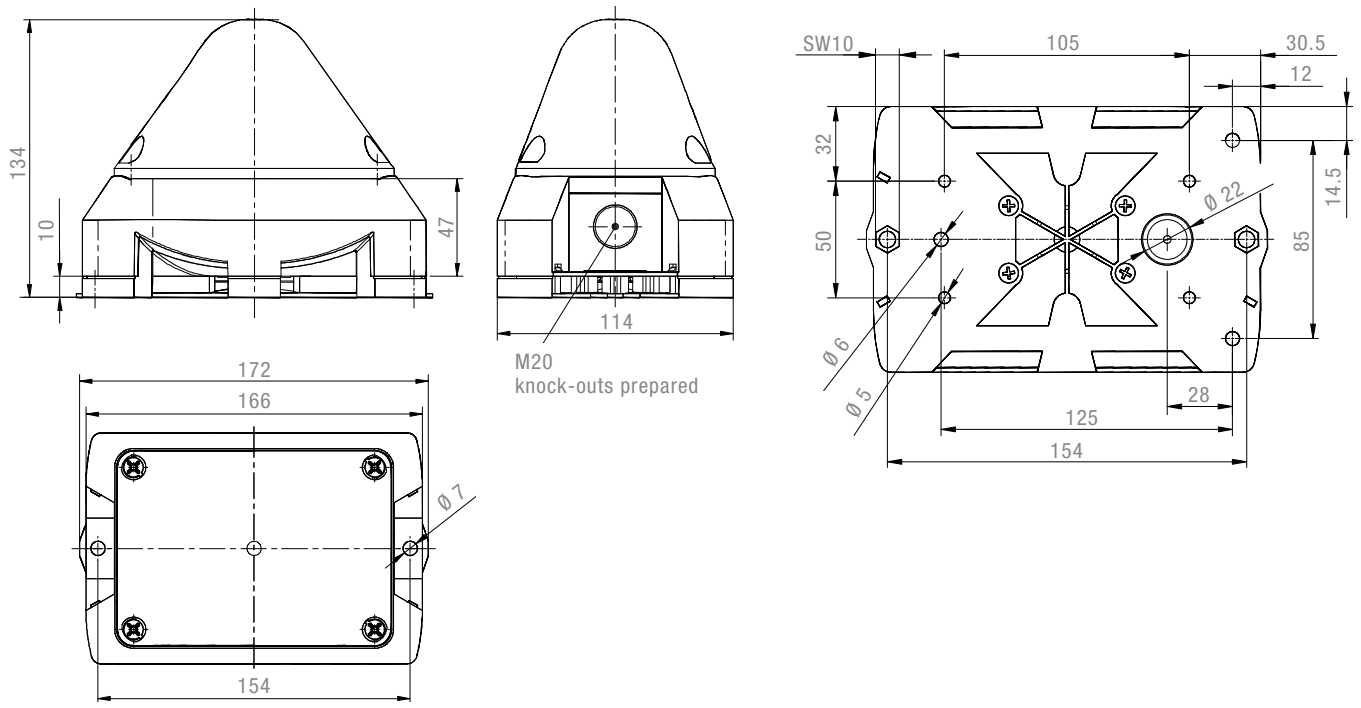

| ARTICLE NO. | | PY X-MA-05 | | | PY X-MA-10 | | |
|---|---|---|---|---|---|---|---|
| HOUSING COLOUR | LENS COLOUR | 230 V AC | 115 V AC | 24 V AC/DC | 230 V AC | 115 V AC | 24 V DC |
| red | | 21554101000 | 21554151000 | 21554811000 | 21555101000 | 21555151000 | 21555811000 |
| red | yellow | 21554103000 | 21554153000 | 21554813000 | 21555103000 | 21555153000 | 21555813000 |
| red | red | 21554105000 | 21554155000 | 21554815000 | 21555105000 | 21555155000 | 21555815000 |
| grey | | 21554101055 | 21554151055 | 21554811055 | 21555101055 | 21555151055 | 21555811055 |
| grey | yellow | 21554103055 | 21554153055 | 21554813055 | 21555103055 | 21555153055 | 21555813055 |
| grey | red | 21554105055 | 21554155055 | 21554815055 | 21555105055 | 21555155055 | 21555815055 |

Article numbers for other voltages and versions on request.

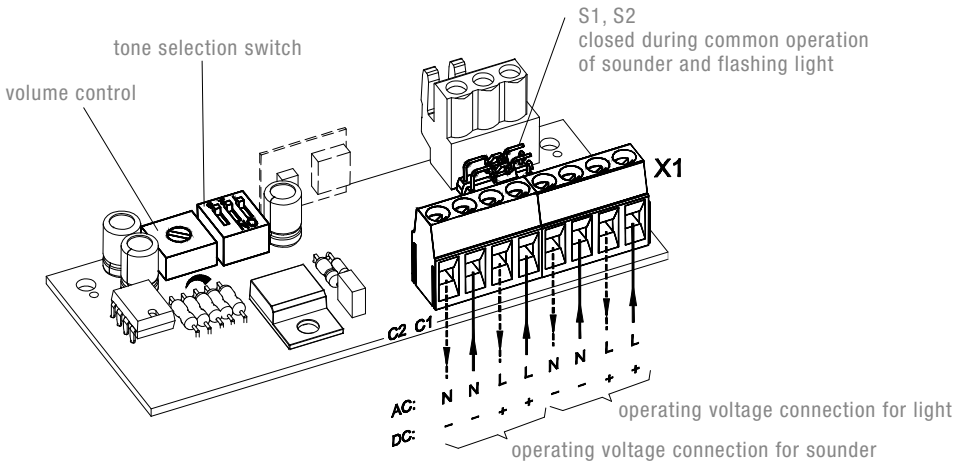
## OPTIONS/ACCESSORIES

| ARTICLE NO. | | PY X-MA-05 I PY X-MA-10 |
|---|---|---|
| Surface gasket | Sealing of the sounder installation surface when, e.g. cable entry is executed from the back. | 28111500000 |
| Tamper-proof sealing (pack of 4) | Anti-tamper sealing for fasteners of the PATROL or PYRA devices after installation in order to prevent manipulation of the devices. | 28300000002 |

## DIMENSIONS




## CONNECTION DIAGRAM




## CONFORMITY TO STANDARDS

The acoustic parameters conform to the European standard DIN EN ISO 7731:
**“Ergonomic – alarms for public areas and workplaces – acoustic alarms“**.

The requirement for an acoustic alarm signal can be found in the harmonised standards:

| | |
|---|---|
| EN 60204-1 | Electrical equipment of machines |
| EN 60825-1 | Radiation safety of laser devices, identical to IEC 825 and DIN-VDE 0837 |