PYRA FLASHING LIGHT SOUNDERS 101 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	IK08	+55 °C / –40 °C	10 Years	EAC	UL
protection system	impact-proof housing	operating temperature	warranty		

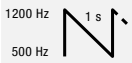
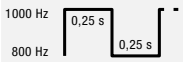
PRODUCT	PY X-MA-05		
DATA			
Operating range	187–255 V AC 50 I 60 Hz	90–135 V AC 50 I 60 Hz	AC: 18–30 V / DC: 10–57 V AC 50 I 60 Hz / DC
Nominal current consumption [1]	70–75 mA	120–140 mA	AC: 310 mA DC: 280 mA @ 24 V

PRODUCT	PY X-MA-10		
DATA			
Operating range	187–255 V AC 50 I 60 Hz	90–135 V AC 50 I 60 Hz	10–57 V 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		101 dB(A)	
Sound pressure level @DIN-tone		99 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)	

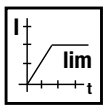
[1] factory setting

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

OPTIONS/ACCESSORIES

Surface gasket

Tamper-proof sealing



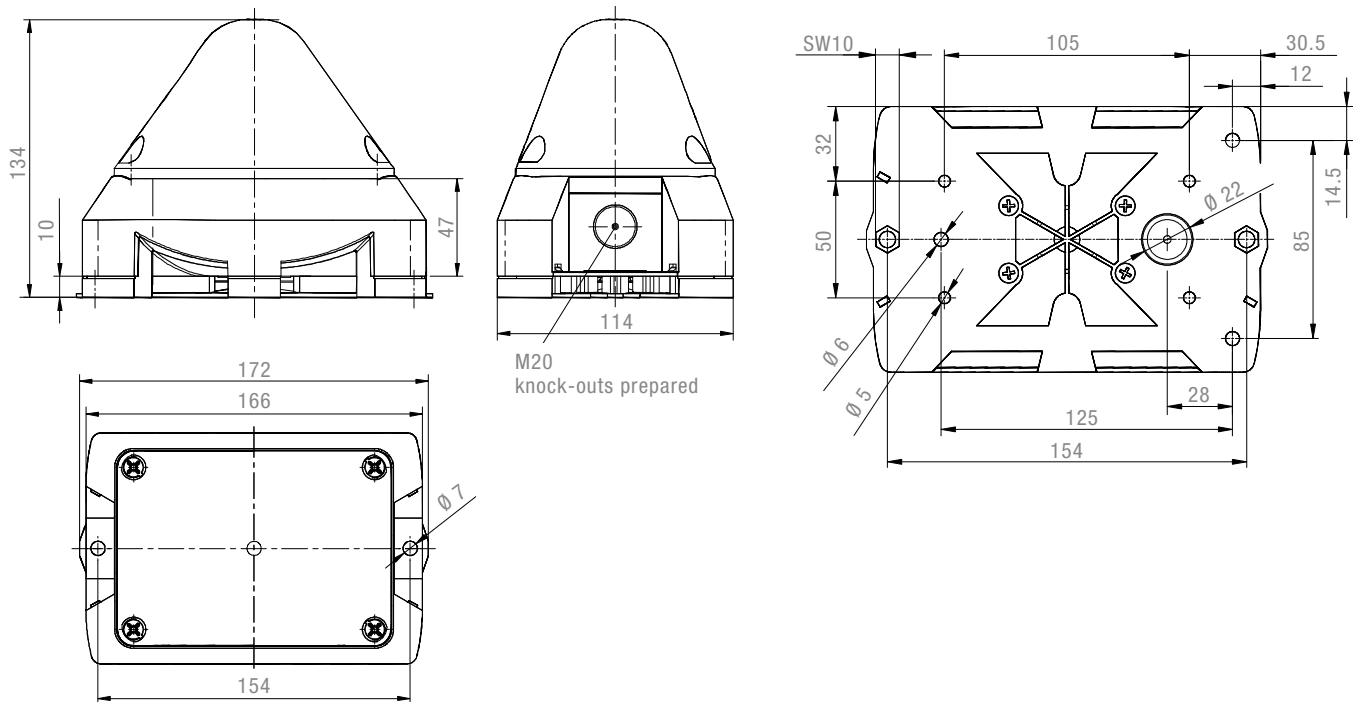
ARTICLE NO.		PY X-MA-05			PY X-MA-10		
HOUSING COLOUR	LENS COLOUR	230 V AC	115 V AC	24 V AC/DC	230 V AC	115 V AC	24 V DC
●	⁄	21554101000	21554151000	21554811000	21555101000	21555151000	21555811000
●	●	21554103000	21554183000	21554813000	21555103000	21555153000	21555813000
●	●	21554105000	21554155000	21554815000	21555105000	21555155000	21555815000
●	⁄	21554101055	21554151055	21554811055	21555101055	21555151055	21555811055
●	●	21554103055	21554153055	21554813055	21555103055	21555153055	21555813055
●	●	21554105055	21554155055	21554815055	21555105055	21555155055	21555815055

Article numbers for other voltages and versions on request.

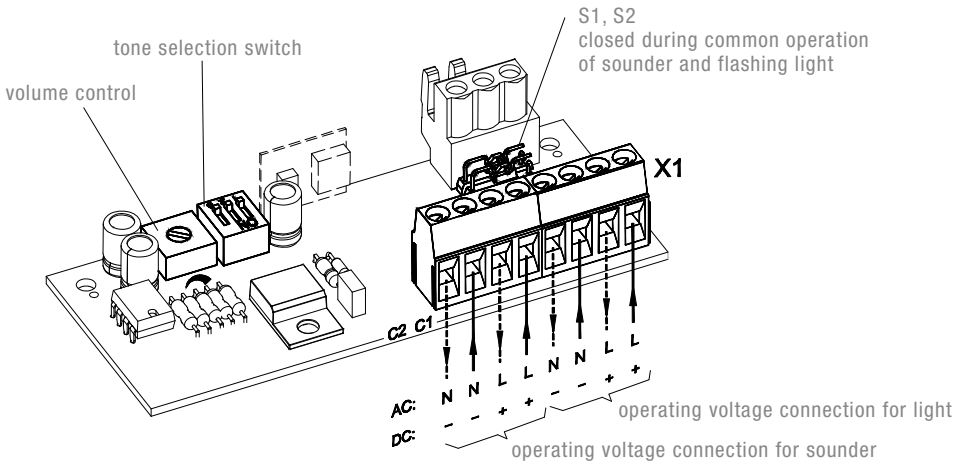
OPTIONS/ACCESSORIES

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