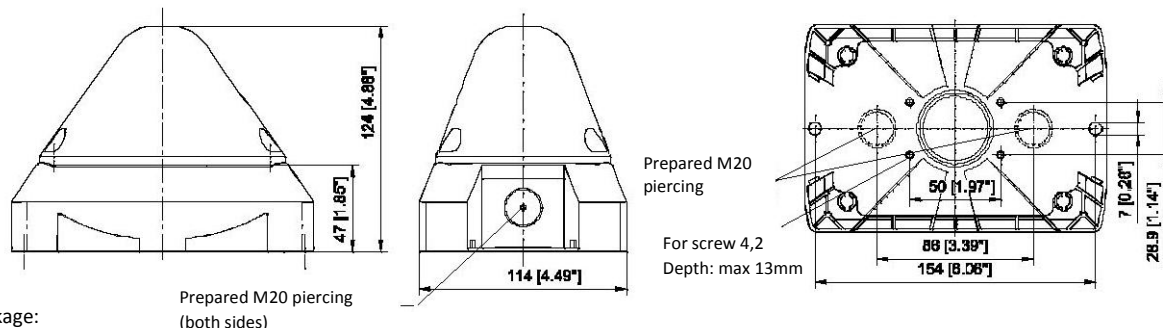


Dimensions PBV2



Content of package:
1x Alarm device
1x Diaphragm nipple M20
1x Operating instruction

Technical Data

	PBV22005			PBV22010		
Flash energy	5J			10J		
Rated effective luminous intensity	44 cd (clear)			118 cd (clear)		
Flash frequency	0,1 / 0,5 / 0,75 / 1 Hz					
Rated voltage	230V AC	115V AC	24V AC/DC	230V AC	115V AC	24V DC
Frequency	50/60 Hz		50/60 Hz/ DC	50/60 Hz		50/60 Hz/ DC
Operating voltage range	187-255V	90 -135V	AC: 18 -30V DC: 10- 60V	187- 255V	90 -135V	10 -60V
Power Consumption (1Hz) [mA]	60	110	AC: 600 DC 280 @24V	150	240	DC: 540 @24V
Power consumption	13,8VA	12,7VA	AC: 14,4VA DC:6,7W	34,5VA	27,6VA	DC: 13W
Duty cycle	100%					
Connection terminal	0,14 - 2,5mm ² / AWG24 - AWG 14 (stranded)					
Protection system	IP66 (EN60529) , Type 4 & 4x					
Resistance against impact	IK 08 (EN50102)					
Protection class	II Double insulated equipment					
Operating temperature	-40°C... +55°C					
Storage temperature	-40°C...+70°C					
Max. rel. Humidity	90%					
Cable entry	4x M20 (prepared)					
Sealing range of grommet	7 – 13 mm - With the use of cable diameters <7 mm, a cable screw joint with sufficient ingress protection must be provided					
Material of housing	PC/ABS Blend					
Material of lens	PC					
Installation position	arbitrary					
Option	Control input					
Accessory	Sealing plug (part-no. 28300000002)					
Lens colours	clear, white, yellow, amber, red, green, blue					

Approvals

Approvals (valid for marked equipment)		
Construction Product Directive (89/106/EWG) (in preparation)	PBV22005 + PBV22010 : VdS 0786-CPD-xxxx	
	Rated voltage	12V DC 24V DC 48V DC
	Operating voltage range acc. to EN54-23	10V – 60V DC
	Lens colours	red, clear
	Signalling area	EN 54-23 Category O: In construction
	Environmental protection class	Type B
	Installation position	In construction
	Testing takes place using the supplied diaphragm nipple and the outer fastening bores.	
VdS in preparation	PBV22005 + PBV22010: G212xxx , data see Construction Product Directive (89/106/EWG)	
UL, cUL in preparation	PBV2	
	Rated Voltage	Visual Signal Appliance - General Signaling Equipment - UEES, UEES7
	115V AC 230V AC	Suitable for indoor and outdoor use. Warning: Not to be used as a Visual Public Mode Alarm Notification Appliance.
	24V AC/ DC	According to CSA-C22.2 No. 205-M1983 clause 4.3.4 the connection is limited to max. three leads.

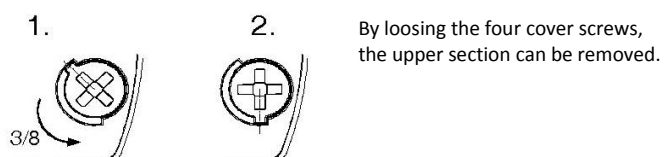
PYRA Xenon beacons PBV2 comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

Taking into Operation

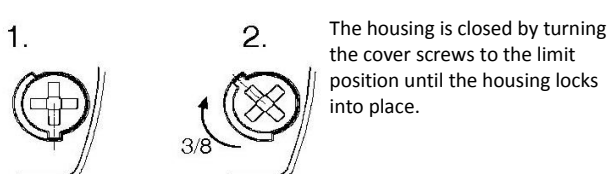
Safety notes:

- Installation must be carried out by an electrician in compliance with the latest codes and regulations. - Danger: High voltage may be present.
- Prior to opening, it must be ensured that no voltage is applied to the device.
- Before electrical connection, the supply voltage on the type plate is to be checked. The wrong operating voltage can lead to damages or to the destruction of the equipment.
- During installation it must be ensured that the connection cables are secured against tension and distortion. Please observe: The devices are not designed for portable use.
- CAUTION: When making installation, route field wiring away from sharp projections, corners and internal components. - The function of the unit is only guaranteed if the upper and lower section is joined correctly.
- In order to prevent detriment to sight, continuously looking directly in the activated light is to be avoided.

Opening the housing

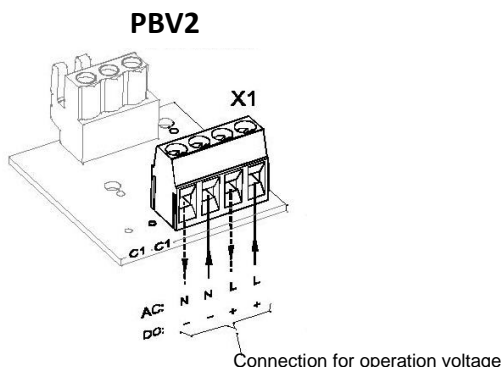
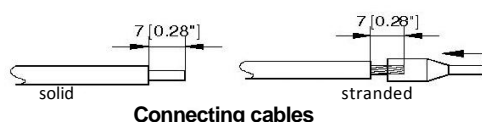


Closing the housing



The unit is not closed when delivered. Sealing plugs for the housing screws are available as accessories.

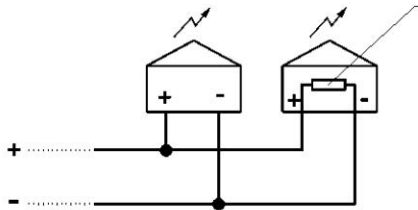
Electrical connection:



The beacons satisfy the requirements of the standard EN54-23 (Synchronization).

Caution: In order to ensure synchronization, the devices must be operated with the same potential.

Line monitoring:



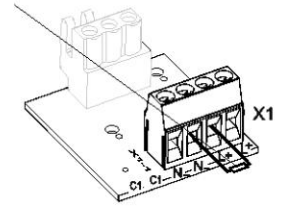
Resistor for Line Monitoring (1K Ohm) at the terminal for operating voltage.
Position of the resistor with parallel connection of multiple beacons in the last unit
Remove unneeded resistors.

When the line monitoring is used with reverse voltage the blocking diode must be activated by opening the Switch S4 (on pcb inside lens).



S4

* Factory setting

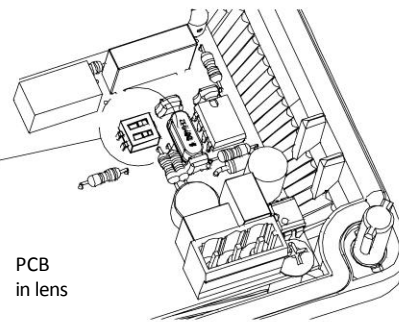


PBV2

Flash Frequency adjustment



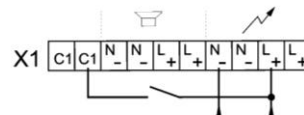
* Factory setting



PCB
in lens

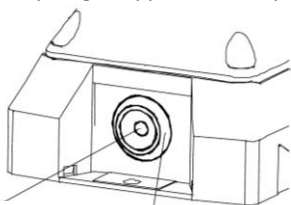
Devices with control input

This option allows the beacon to be activated via control voltage. The maximum current consumption of the control input is max. 1W.



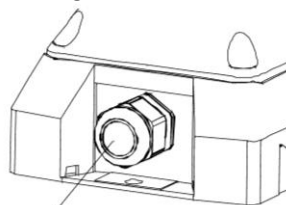
Cable gland entries

To guarantee the specified protection type, cable grommets with a protection type of IP 66 are to be installed at the openings provided for this purpose. The supplied diaphragm nipple can be replaced with a cable gland or with an M12 plug connection with a flange measurement of M20.

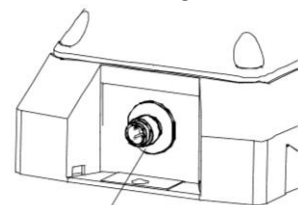


After installation of the cable remove the remains of the diaphragm.

Diaphragm nipple IP 66
(provided)



Cable gland IP 66



M12 plug connector IP 66 (for low voltage versions)

Maintenance, Service and Ordering Spare Parts

The device does not require any special maintenance. External cleaning should be done with a mild soap solution without the use of solvents. The device may only be operated in the undamaged state within the specified rating.

Conversions, alterations, improper and inadmissible use as well as the non-observance of the notes in these operating instructions shall render the warranty null and void. Components may be replaced only by original spare parts. As a matter of principle, repairs are to be carried out in the manufacturing works.