

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.	61 062 - 13 HH
Company	Pfannenberg GmbH Werner-Witt-Straße 1 21035 Hamburg, GERMANY
Product Description	Sounder, beacon and combined devices
Type	Serie PATROL and PYRA
Environmental Category	C, H, EMC1
Technical Data / Range of Application	The alarm device family "PATROL" and "PYRA" consist of acoustical and visual components in different performance classes. "PYRA" grouped the visual devices and "PATROL" grouped the acoustical devices as well as the combination of both. The sounders are designed in 3 sizes at which in size 3 are 2 performance classes possible. The components covered by this certificate are listed on page 2 and 3. Ingress protection: IP66 (EN60529), type 4x4 Software name 30300 P0-SWA-V-b (version 1.4); Test report VdS no. 110068-AU01+SW01 for the devices PA1, PA5, PA10, PA20 and PAX1-05. Environmental Category "H": Cold test with -25°C / 16h
Test Standard	Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2012 EN 50130-4:1995 + A1:1998+A2:2002+Corr. 2003, EN 54-3:2001+A1:2002+A2:2006
Documents	Test reports, Operating and installation instructions, drawings, circuit diagrams, software documentation according to document "Dokumentenübersicht version 11.09.2013"
Remarks	None

Valid until **1900-01-01**

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Hamburg, 2013-10-24

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Germanischer Lloyd

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PATROL: Sounder and combined devices: Type code: 233 aa bb c ddd

aa	type
10	PA 1: sounder (100dB)
11	PA X 1-05: sounder beacon combined device (100dB/ 5J)
50	PA 5: sounder (105dB)
51	PA X 5-05: sounder beacon combined device (105dB/ 5J)
52	PA X 5-10: sounder beacon combined device (105dB/ 10J)
60	PA 10: sounder (110 dB)
61	PA X 10-10: sounder beacon combined device (110dB/ 10J)
62	PA X 10-15: sounder beacon combined device (110dB/ 15J)
70	PA 20: sounder (120 dB)
71	PA X 20-10: sounder beacon combined device (120dB/ 10J)
72	PA X 20-15: sounder beacon combined device (120dB/ 15J)
bb	rated voltage
10	230V AC
15	115V AC
30	24V AC
63	PA1 + PA5: 10V – 57V DC, PA10 + PA20: 10 – 60V DC
64	PA10 + PA20: 95V – 265V AC
70	48V DC
80	24V DC
85	12V DC
c	signal color
0	none
1	clear
2	white
3	yellow
4	orange
5	red
6	green
7	blue

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ddd design GL
001 housing RAL3000 (red), standard
038 spezial tones
056 housing RAL 7035 (grey)
057 option –SSM, housing RAL 7035 (grey)
058 option –SSM
059 option –SSM, Gehäuse RAL 9003 (white)
060 Gehäuse RAL 9003 (white)

PYRA: GL beacon: Type code: 215 aa bb c ddd

aa type
10 PY X-S-05: Xenon beacon (5J)

bb rated voltage
10 230V AC
15 115V AC
30 24V AC
70 48V DC
80 24V DC
85 12V DC

c signal color
1 clear
2 white
3 yellow
4 orange
5 red
6 green
7 blue

ddd design GL
001 housing RAL3000 (red), standard
056 housing RAL 7035 (grey)
057 option –SSM, housing RAL 7035 (grey)
058 option –SSM
059 option –SSM, Gehäuse RAL 9003 (white)
060 Gehäuse RAL 9003 (white)

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