AMMONIA REFRIGERATION **FIXED GAS DETECTION ALARMS**

ARE YOUR AUDIBLE & VISUAL ALARMS **IIAR-2A** COMPLIANT?

10 YEARS WARRANTY

Plug and Play Audible and Visual Alarms for Fixed Gas Detection Systems

IIAR-2A - Safe design of closed circuit ammonia refrigeration systems require at minimum one audible and visual alarm to be placed in the room or area around an ammonia engine or machinery. According to IIAR, the audible alarm is *required* to be at a sound pressure level (SPL) of 15 dBa (decibles) above the average ambient sound level and 5 dBa above the maximum sound level of the area in which it is installed. At no point can a sound meter read lower than a 5 dBa offset at any point within the area that the alarm is covering. We make it easy to choose your audible and visual alarms.

*Per ANSI/IIAR 2-2014







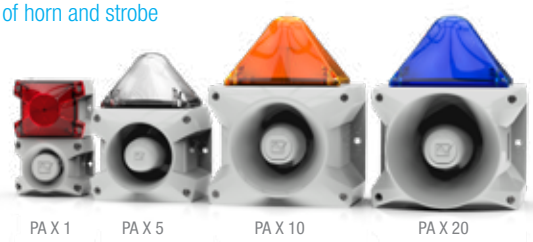
PATROL HORNS, SIRENS & SOUNDERS

WITH OR WITHOUT FLASHING STROBE LIGHT

10 YEARS WARRANTY

PATROL AUDIBLE / VISUAL ALARM

UL certified - Type 4/4X - IP 66
Independent operation of horn and strobe



PA X 1 PA X 5 PA X 10 PA X 20

Replace space in part # with desired lens color:

1 3 4 5 6 7

Available lens and base color combinations:

Lens color →
Base color →

READILY AVAILABLE

Description	Nominal Sound Output (SPL)	Flash Energy	Part Numbers		Dimensions (WxHxD)
			24 VDC	115 VAC	
PA X 1-05	105 dB	5 J	2331180_055	2331115_055	4.31 x 3.38 x 3.17
PA X 5-05	107 dB	5 J	2335130_055	2335115_055	6.43 x 5.31 x 5.19
PA X 10-10	117 dB	10 J	2336180_055	2336115_055	8.42 x 6.7 x 6.14
PA X 20-15	122 dB	15 J	2337280_055	2337215_055	8.42 x 6.7 x 7.12

CATALOG NUMBERING SYSTEM:

PA X - Audible/ Visual Alarm

- **1-05** - 105dB/5J
- **5-05** - 107dB/5J
- **5-10** - 107dB/10J
- **10-10** - 117dB/10J
- **10-15** - 117dB/15J
- **20-10** - 122dB/10J
- **20-15** - 122dB/15J

- **12 DC**
- **24 DC**
- **48 DC**
- **24 AC**
- **115 AC**
- **230 AC**

- **CL** - Clear
- **YE** - Yellow
- **AM** - Amber
- **Rd** - Red
- **Gr** - Green
- **Bu** - Blue

- **7035** - RAL 7035 Grey RAL 7035
- **3000** - RAL 3000 Flame Red RAL 3000

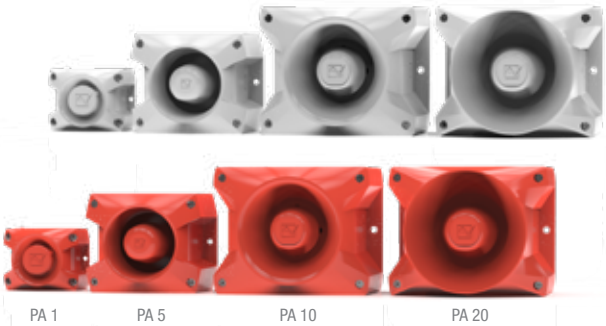
EXAMPLE:

PA X - 10 - 05 - 115V - RD - 7035

-Patrol Audible/Visual Combination
- Sound Pressure Level
-Flash Energy
-Voltage
-Lens Color
-Base Sounder Color

PATROL AUDIBLE ALARM

UL certified - Type 4/4X - IP 66



PA 1 PA 5 PA 10 PA 20

READILY AVAILABLE

Description	Nominal Sound Output (SPL)	Part Number		Dimensions (WxHxD)
		10-60 VDC	95-265 VAC	
PA 1	105 dB	23310630055	23310150055	4.31 x 3.38 x 3.17
PA 5	107 dB	23350630055	23350150055	6.43 x 5.31 x 5.19
PA 10	117 dB	23360630055	23360640055	8.42 x 6.7 x 6.14
PA 20	122 dB	23370630055	23370640055	8.42 x 6.7 x 7.12

CATALOG NUMBERING SYSTEM:

PA - Audible Alarm

- **1** - 105dB
- **5** - 107dB
- **10** - 117dB
- **20** - 122dB

- **LV** - Low voltage DC 10-60VDC
- **HV** - High voltage AC 95-265VAC

- **7035** - RAL 7035 Grey RAL 7035
- **3000** - RAL 3000 Flame Red RAL 3000

EXAMPLE:

PA X - 10 - HV - 7035

-Patrol Audible/Visual Combination
- Sound Pressure Level
-Voltage
-Base Sounder Color

FEATURES & BENEFITS

- Volume controllable up to ± 12dB via potentiometer.
- Available in 10-60 VDC and 95-260 VAC.
- 10-year warranty is unmatched in the industry.
- Digital sound capsule generates a choice of tones with no moving parts for long service life in harsh operating environments.
- The PATROL series offers 80 different user-selectable tones with 4 tone stages. This permits the same device to emit up to 4 unique tones based on alarm circumstance. (Tone frequency range 420Hz to 2900Hz.)
- Pfannenberg's sound capsule technology emits a tone frequency envelope that excels at penetrating walls and doors to enhance safety with improved wide area notification.
- Integrated flashing strobe lights carry a rated service life in excess of 8,000,000 flashes (the most in the industry) while the high-intensity light output is tailored to match alarm severity for enhanced safety.
- Flame-retardant plastic housings are offered in a choice of red or grey with unique 3/8-turn fasteners for quick and trouble-free installation.
- Wide temperature range permits outdoor use in any climate. (-40° to 131°F)

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