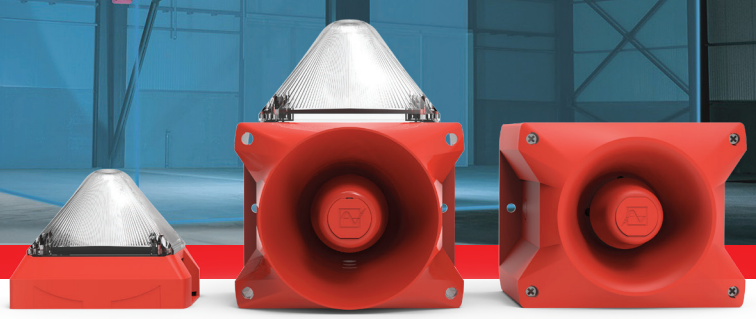
FIRE ALARM VISUAL + AUDIBLE SIGNALING SOLUTIONS

Large & Loud Industrial Facilities

Pfannenberg 3D COVERAGE
Personnel • Special Conditions • Spatial



Signaling solutions designed to comply with NFPA 72 guidelines for public and private mode applications.

NFPA 72 Performance based system design to optimize fire alarm systems. NFPA 72: 18.5.5.6.1

Products include visual alarms, audible alarms, and combined devices. Audible temporal tone T3.

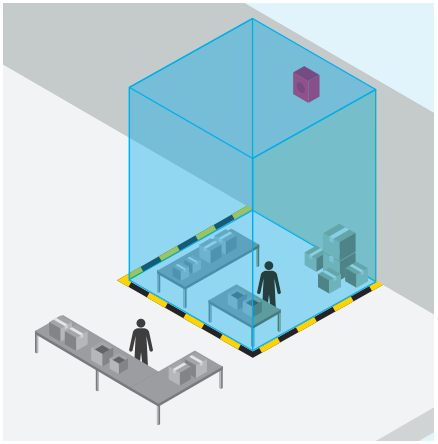
Designing the Solution

Mass notification system design must take ambient noise as well as sounder performance into consideration when ascertaining the effective coverage area of an alarm horn. Likewise, installation location and proximity to workers is vitally important for strobe lights.

3D Coverage: identify and document the optimal and safe signaling solutions.

3-dimensional signaling (HxWxD) range is determined by lab testing every signaling device in a controlled environment, with outside ambient noise taken into consideration.

3D-Coverage provides certainty for those involved in creating signaling systems and safety for personnel who occupy spaces in which these systems are used.



Compliant to Certifications and Objectives

Certifications:

- **UL 464 – Audible Signal Appliances**
  ("ULSZ" signal-sounding appliances for fire-protective signaling service & "UCST" signal-sounding appliances intended for general signaling)
- **UL 1638A - Visual Signaling Appliances**
  ("UEES" – Visual signaling general alarm)

Objectives:

- **NFPA 72: National Fire Alarm and Signaling Code**
  (National Fire Protection Association)
- **OSHA 29CFR 1910.165: Employee alarm systems**
  (Occupational Safety & Health Administration)

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Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

PYRA

PY X-S | PYRA SERIES FLASHING LIGHTS



- Flash Energy - 5 Joules
- Light Intensity (Clear) - 44 cd
- Sound - N/A
- Ingress Protection - IP 66, Type 4, 4X

PY X-M/MA | PYRA SERIES FLASHING LIGHTS



- Flash Energy - 5/10 Joules
- Light Intensity (Clear) - 44/118 cd
- Sound (MA ONLY) -100 db sounder 8 tones
- Ingress Protection - IP 66, Type 4, 4X

PY X-L/LA | PYRA SERIES FLASHING LIGHTS



- Flash Energy - 15 Joules
- Light Intensity (Clear) - 190 cd
- Sound (LA ONLY) -102 db sounder 8 tones
- Ingress Protection - IP 66, Type 4, 4X

PATROL

PA 1/PA X 1

PATROL SERIES
COMBO OR SOUND ONLY



- Flash Energy - 5 Joules
- Light Intensity (Clear) - 44 cd
- Sound - 105 db
- Ingress Protection - IP 66, Type 4, 4X

PA 5/PA X 5

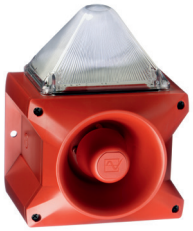
PATROL SERIES
COMBO OR SOUND ONLY



- Flash Energy - 5/10 Joules
- Light Intensity (Clear) - 47/92 cd
- Sound - 107 db
- Ingress Protection - IP 66, Type 4, 4X

PA 10/PA X 10

PATROL SERIES
COMBO OR SOUND ONLY



- Flash Energy - 10/15 Joules
- Light Intensity (Clear) - 129/190 cd
- Sound - 117db
- Ingress Protection - IP 66, Type 4, 4X

PA 20/PA X 20

PATROL SERIES
COMBO OR SOUND ONLY

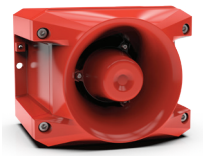


- Flash Energy - 10/15 Joules
- Light Intensity (Clear) - 129/190 cd
- Sound - 122 db
- Ingress Protection - IP 66, Type 4, 4X

PROTECT

PRO 10

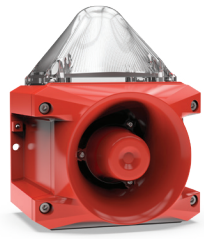
PROTECT SERIES
SOUND ONLY



- Cast Aluminium housing
- Sound - 86 to 116 db
- Explosion proof, Class 1 Div 2
- Ingress Protection – IP 66, Type 4/4X

PRO X L / PRO L 10

PROTECT SERIES
COMBINED LIGHT AND SOUND



- Xenon or LED light options
- Cast Aluminium housing
- Light Intensity (Clear) 23/56 cd
- Ingress Protection – IP 66, Type 4/4X

EXPLOSION PROOF

FOR MORE INFORMATION

10 YEARS WARRANTY

Pfannenberg

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