SIGNALLING DEVICES

For harsh and hazardous locations

THE STRONGEST LINK.

STAHL

R. STAHL SIGNALLING DEVICES

FOR HARSH AND HAZARDOUS LOCATIONS

As a leading manufacturer of premium quality signalling devices, R. STAHL services the oil & gas, marine, chemical, pharmaceutical, food & beverage and marine sector. With over 140 years' experience in the field of explosion protection, R. STAHL is a global leader in the development of quality safety equipment and systems, for use in hazardous locations around the globe.

AUDIBLE SIGNALLING DEVICES

Audible alarms provide a warning in the event of equipment malfunction, start up, process control and a host of safety-related applications for hazardous and harsh environments.

Further information on each product can be found on our website r-stahl.com, search using the WebCode provided.

YA11 – Panel Mount Sounder | WebCode YA11A

- Ex nA aluminum enclosure (low profile 28 mm)
- Max. 100 dB(A) @ 1 m
- Single-stage alarm
- Sound tone must be selected at time of ordering
- 3 m (118") two-core prewired cable fitted and ready for installation
- Panel sealing gasket and fixing provided
- Stainless steel fixings
- IP66 / NEMA 4X
- Temperature range -40 °C … +70 °C
- International certification

YA60 – Omnidirectional Sounder | WebCode YA60A

- Ex d enclosure – marine grade aluminum
- Max. 110 dB(A) @ 1 m
- Protection class IP66 / NEMA 4X
- Temperature range -20°C … +60 °C
- Up to 4 alarm stages by 32 sound tones
- Volume control up to 18 db (A)
- Mounting Bracket and stainless steel fixings included
- Telephone initiate option

For more information please refer to r-stahl.com

YA6S – Omnidirectional Sounder

WebCode YA6SA

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 110 dB(A) @ 1 m
- Protection class IP66 / NEMA 4X
- Temperature range -60 °C … +70 °C
- Up to 4 alarm stages by 32 sound tones
- Volume control up to 18 db (A)
- Mounting Bracket and stainless steel fixings included
- Telephone initiate option

YA90 – directional Sounder

WebCode YA90A

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 115 dB(A) @ 1 m
- Protection class IP66 / NEMA 4X
- Temperature range -60 °C … +66 °C
- 2 alarm stages
- 32 sound tones
- Stainless steel ratchet bracket and fixings included

8491 – directional Sounder

WebCode 8491A

- Ex mb & Ex e enclosure – PC/ABS
- Max. 105 dB(A) @ 1 m
- Protection class 8491/1 IP55, 8491/2 IP65
- Temperature range -40 °C … +50 °C
- 1 alarm stage (preconfigured signal tone)

8494 - Loudspeaker

WebCode 8494A

- Ex d e enclosure – antistatic polyamide
- Max. 121 dB(A) @ 1 m
- Protection class IP66 / IP67
- Temperature range -50 °C … +60 °C
- Integrated Ex e connection chamber
- Mounting Bracket and stainless steel fixings included
- Line transformers optional

For more information please refer to r-stahl.com

VISUAL SIGNALLING DEVICES

Visual alarms provide a line of sight warning in safety applications throughout industry. In addition to audible alarms, beacons offer the extra safety where high ambient noise might be present. Further information on each product can be found on our website r-stahl.com, search using the WebCode provided.

6161 - Steady / Flashing Beacon
WebCode 6161A

- Ex d e enclosure – marine grade aluminum
- 5 J Xenon (1Hz Flash) / LED (steady light)
- 6 lens colours available
- Protection class IP66
- Temperature range -40 °C … +50 °C
- Integrated Ex e connection chamber
- Wire guard optional
- Stainless steel fixings included

FL60 – Steady / Flashing / Blinking / Rotating Beacon
WebCode FL60A/B

- Ex d enclosure – marine grade aluminum
- Xenon beacon 5, 10, 20 J, flash rate 1 Hz
- LED (6,5W) with several light modes (steady, flash, blink, rotation)
- Automatic synchronization (LED)
- Up to 4 light stages (LED) configurable
- 8 lens colours available
- Protection class IP66 / NEMA 4X
- Temperature range -35 °C … +66 °C
- Stainless steel lens guard and mounting bracket included
- Telephone initiate optional

FL6S – Steady / Flashing / Blinking / Rotating Beacon
WebCode FL6SA

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Xenon beacon 5, 10, 20 J, flash rate 1 Hz
- LED (6,5W) with several light modes (steady, flash, blink, rotation)
- Up to 4 light stages (LED) configurable
- Automatic synchronization (LED)
- 8 lens colours available
- Protection class IP66 / IP67
- Temperature range -55 °C … +70 °C
- Stainless steel lens guard and mounting bracket included
- Telephone initiate optional

For more information please refer to r-stahl.com

VISUAL SIGNALLING DEVICES

FX15 – Beacon

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Xenon beacon 5, 10, 20 J, flash rate 1 Hz
- LED (6,5W) with several light modes (steady, flash, blink, rotation)
- Up to 4 light stages (LED) configurable
- Automatic synchronization (LED)
- 8 lens colours available
- Protection class IP66 / IP67
- Temperature range -55 °C … +70 °C
- Stainless steel lens guard and mounting bracket included

MSx5 – Multi-Beacon system

- Ex d e enclosure – Glass Reinforced Polyester (GRP)
- 5 J Xenon (1Hz Flash) / LED (steady light)
- Up to 5 beacon positions on a single back plate pre-wired
- 8 lens colours available
- Protection class IP66 / IP67
- Temperature range -55 °C … +70 °C
- Integrated Ex e connection chamber
- Stainless steel lens guard and back plate included
- Sun shield optional

For more information please refer to r-stahl.com

AUDIBLE-VISUAL COMBINATION DEVICES

Combination devices help to provide that extra level of safety by ensuring both audible and visual alerts are present throughout the process. By combining the two, you can continue to maintain safety even in noisy environments or in areas where visibility is not always guaranteed, thereby, safeguarding equipment and personnel at all times.

YL60 – Beacon / Omnidirectional Sounder — WebCode YL60A

- Ex d enclosure – marine grade aluminum
- Max. 110 dB(A) @ 1 m
- Up to 4 alarm stages by 32 sound tones
- 5 J Xenon (1Hz Flash)
- LED (6,5W) with several light modes (steady, flash, blink, rotation)
- Up to 4 light stages (LED) configurable
- Automatic synchronization (LED)
- 8 lens colours available
- Protection class IP66 / NEMA 4X
- Temperature range -35 °C … +66 °C
- Stainless steel lens guard and mounting bracket included

YL6S – Beacon / Omnidirectional Sounder — WebCode YL6SA

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 110 dB(A) @ 1 m
- Up to 4 alarm stages by 32 sound tones
- 5 J Xenon (1Hz Flash)
- LED (6,5W) with several light modes (steady, flash, blink, rotation)
- Up to 4 light stages (LED) configurable
- Automatic synchronization (LED)
- 8 lens colours available
- Protection class IP66 / IP67
- Temperature range -55 °C … +70 °C
- Stainless steel lens guard and mounting bracket included

MSx5 – Multi-Beacon / Directional Sounder System — WebCode MSx5

- Ex d e enclosure – Glass Reinforced Polyester (GRP)
- 5 J Xenon (1Hz Flash) / LED (steady light)
- Up to 3 beacon positions on a single back plate including a YA90 sounder pre-wired
- 8 lens colours available
- Protection class IP66 / IP67
- Temperature range -55 °C … +70 °C
- Integrated Ex e connection chamber
- Stainless steel lens guard and back plate included
- Sun shield optional

For more information please refer to r-stahl.com

MANUAL ALARM CALL POINTS

Manual alarm stations are designed for the purpose of raising an alarm manually once it has been identified that a fire or emergency condition exists. This is achieved by initiating the device either by pushing a button or breaking a glass, which sends a message to the control panel and raises an alarm.

MCP – Manual Call Point — WebCode MCPA

- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Protection class IP66 / IP67
- Temperature range -40 °C … +70 °C
- Break Glass or Push Button option
- 9 Enclosure colour optional
- SPDT / DPDT contacts available
- Reset / test key provided as standard
- LED signal, Lift Flap, resistor, duty and tag label optional

8146 – Manual Call Point — WebCode 8146G

- Ex d e enclosure – Glass Reinforced Polyester (GRP)
- Protection class IP66
- Up to temperature range -40 °C… +60 °C
- Break Glass
- Break Glass hammer included

XPPS – Manual Call Point — WebCode FL6SA

- Aluminum enclosure
- Protection class NEMA 4X
- Temperature range -20 °C … +40 °C
- Break Glass / Pull Lever or Lift Flap / Pull Lever option
- 2 x 2/3" NPT entries
- Key or tool reset optional
- NEC certification

For more information please refer to r-stahl.com

R. STAHL SIGNALLING DEVICES OVERVIEW

PRODUCT		SERIES	ATEX / IECEx				NEC 505 Class I		NEC 506		NEC 500 Class I		Class II		Class III		Web-Code
INSTALLATION IN ZONE			1	2	21	22	1	2	21	22	1	2	1	2	1	2	
AUDIBLE SIGNALLING DEVICES																	
Panel Mount Sounder	Max. 100 dB(A) @ 1m	YA11		•		•	•			•		•		•	•	•		YA11A
Omnidirectional Sounder	Max. 110 dB(A) @ 1m	YA60	•	•	•	•	•	•	•	•	•	•					YA60A
Omnidirectional Sounder	Max. 110 dB(A) @ 1m	YA6S	•	•	•	•											YA6SA
Directional Sounder	Max. 115 dB(A) @ 1m	YA90	•	•	•	•		•									YA90A
Signal Horn / Sounder	Max. 105 dB(A) @ 1m	8491	•	•	•	•											8491A
Loudspeaker	Max. 121 dB(A) @ 1m	8494	•	•	•	•	•										8494A
VISUAL SIGNALLING DEVICES																	
Steady / Flashing Beacon	Xenon (5 J) / LED	6161	•	•	•	•											6161A
Steady / Flashing / Blinking / Rotating Beacon	Xenon (5, 10, 20 J) / LED	FL60	•	•	•	•	•	•	•	•	•	•	•	•	•	•	FL60B
Steady / Flashing / Blinking / Rotating Beacon	Xenon (5 ‚J) / LED	FL6S	•	•	•	•											FL6SA
Steady / Flashing Beacon	Xenon (5 ‚J) / LED	FX15	•	•	•	•											FX15A
Steady / Flashing Beacon (Multi-Signalling)	Xenon (5 J)	MEXE / MSX5	•	•	•	•											MSA
AUDIBLE AND VISUAL SIGNALLING DEVICES																	
Omnidirectional Sounder / Beacon	Xenon (5 J) / LED / Max. 110 dB(A) @ 1m	YL60	•	•	•	•	•	•	•	•	•	•					YL60A
Omnidirectional Sounder / Beacon	Xenon (5 J) / LED / Max. 110 dB(A) @ 1m	YL6S	•	•	•	•											YL6SA
Directional Sounder / Beacon (Multi-Signalling)	Xenon (5 J) / LED / Max. 115 dB(A) @ 1m	MEXE / MSX5	•	•	•	•											MSA
MANUAL ALARM CALL POINT																	
Manual Call Point	Push Button / Break Glass	MCP	•	•	•	•											MCPA
Manual Call Point	Break Glass	8146 / 5052	•	•	•	•	•	•						•	•	•	8146G
Manual Call Point	Pull Lever	XPPS									•		•				XPPSA

For additional products and information please refer to r-stahl.com

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