



THE STRONGEST LINK.

STAHL

SIGNALLING DEVICES

For harsh and hazardous locations

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.

Panel Mount Sounder Series YA11

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

Omnidirectional Sounder Series YA60

WebCode YA60A



- Ex d enclosure – marine grade aluminum
- Max. 110 dB(A) @ 1 m
- Two-stage alarm, independently selectable 2nd stage
- 32 sound tones, selection via DIL switch
- Bracket supplied as standard
- Stainless steel fixings
- Telephone initiate option
- IP66 / NEMA 4X
- Temperature range -35 °C ... +66 °C
- International certification

For more information please refer to r-stahl.com

Omnidirectional Sounder Series YA6S

WebCode YA6SA



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 110 dB(A) @ 1 m
- Three-stage alarm (DC voltages) / two-stage alarm, independently selectable
- 32 sound tones, selection via DIL switch
- Volume control
- Mounting bracket included
- Stainless steel fixings
- Telephone initiate option
- IP66 / IP67
- Temperature range -60 °C ... +70 °C
- International certification

Directional Sounder Series YA90

WebCode YA90A



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 115 dB(A) @ 1 m
- Two-stage alarm, independently selectable 2nd stage
- 32 sound tones, selection via DIL switch
- Stainless steel adjustable ratchet bracket
- IP66 / NEMA 4X
- Stainless steel fixings
- Temperature range -60 °C ... +66 °C
- International certification

Signal Horn / Sounder Series 8491/1 & 8491/2

WebCode 8491A



- Ex mb & Ex e enclosure – PC/ABS
- Max. 105 dB(A) @ 1 m
- Fixed signal tone
- 8491/1 complete with 3 m (118") connection cable
- 8491/2 compact design with Ex e connection cable
- 8491/1 IP55, 8491/2 IP65
- Temperature range -40 °C ... +50 °C
- ATEX certification

Loudspeaker Series 8494

WebCode 8494A



- Ex d e enclosure – antistatic polyamide
- Integrated Ex e connection chamber
- Max. sound pressure level 121 dB(A)
- Available outputs include 15 or 25 W
- Available with or without line transformers
- Sound adjustment via tapings
- Adjustable bracket
- Stainless steel fixings
- IP66 / IP67
- Temperature range -50 °C ... +60 °C
- International certification

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.

Flashing & Continuous Beacon Series 6161

WebCode 6161A



- Ex d e enclosure – marine grade aluminum
- 6161/2 Xenon beacon 5 J, flash rate 1 Hz
- 6161/3 LED steady / continuous beacon
- Integrated Ex e connection chamber
- Pipe or bracket mount option
- Wire guard optional
- 6 lens colours
- Stainless steel fixings
- IP66
- Temperature range -40 °C ... +50 °C
- International certification

Flashing & Continuous Beacon Series 6162

WebCode 6162A



- Ex d e enclosure – marine grade aluminum
- Versatile range including flashing, double flash & rotating beacon
- Halogen, Xenon and LED steady / continuous beacon
- Integrated Ex e connection chamber
- Pipe or bracket mount option
- Wire guard optional
- 5 lens colours
- IP66
- Temperature range -20 °C ... +60 °C
- International certification

Flashing Beacon Series FL60

WebCode FL60A/B



- Ex d enclosure – marine grade aluminum
- Xenon beacon 5, 10, 20 J, flash rate 1 Hz
- Low current consumption
- Stainless steel lens guard and mounting bracket supplied as standard
- 8 lens colours
- Telephone initiate option
- IP66 / NEMA 4X
- Temperature range -35 °C ... +66 °C
- International certification

For more information please refer to r-stahl.com

VISUAL SIGNALLING DEVICES

Flashing Beacon Series FL6S

WebCode FL6SA



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Xenon beacon 5 J, flash rate 1 Hz
- Stainless steel lens guard
- Mounting bracket supplied as standard
- 8 lens colours
- Telephone initiate option
- IP66 / IP67
- Temperature range -55 °C ... +70 °C
- International certification

Flashing & LED Beacon Series FX15

WebCode FX15A/B



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Xenon beacon 5 J, flash rate 1 Hz, or LED steady / continuous beacon
- Stainless steel lens guard supplied as standard
- Back strap or L bracket optional
- 8 lens colours
- Sunshields and pipe mount fitting optional
- IP66 / IP67
- Temperature range -55 °C ... +70 °C
- International certification

Multi-Signalling Device Series MEXE / MSx5

WebCode MSA



- Ex d e enclosure – Glass Reinforced Polyester (GRP)
- Flexible signalling solution allowing the user to build a customised warning device that is pre-wired and ready to install
- Integrated Ex e connection chamber
- Stainless steel back plate
- Xenon beacon 5 J, flash rate 1 Hz, or LED steady / continuous beacon
- Up to 5 beacon positions on a single back plate
- 8 lens colours
- IP66 / IP67
- Temperature range -55 °C ... +70 °C
- International certification

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.

Omnidirectional Sounder / Strobe Series YL60

WebCode YL60A



- Ex d enclosure – marine grade aluminum
- Max. 110 dB(A) @ 1 m
- Xenon beacon 5 J, flash rate 1 Hz
- Two-stage alarm, independently selectable 2nd stage
- 32 sound tones, selection via DIL switch
- Mounting bracket included
- 8 lens colours
- Telephone initiate option
- IP66 / NEMA 4X
- Temperature range -35 °C ... +66 °C
- International certification

Omnidirectional Sounder / Strobe Series YL6S

WebCode YL6SA



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Max. 110 dB(A) @ 1 m
- Xenon beacon 5 J, flash rate 1 Hz
- Three-stage alarm (DC voltages) / two-stage alarm, independently selectable
- 32 sound tones, selection via DIL switch
- Stainless steel mounting bracket included
- 8 lens colours
- Telephone initiate option / volume control
- IP66 / IP67
- Temperature range -55 °C ... +55 °C
- International certification

Multi-Signalling Device Series MSx5

WebCode MSx5



- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Flexible signalling solution allowing the user to build a customised warning device that is pre-wired and ready to install
- Stainless steel back plate
- Xenon beacon 5 J, flash rate 1 Hz, or LED steady / continuous beacon
- Up to 3 beacon positions on a single back plate when including YA90 sounder
- 8 lens colours
- IP66 / IP67
- Temperature range -55 °C ... +70 °C
- International certification

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.

Manual Call Point Series MCP

WebCode MCPA



- Break Glass or Push Button option
- Ex d enclosure – Glass Reinforced Polyester (GRP)
- Enclosure colour optional
- Reset / test key provided as standard
- SPDT or DPDT contacts available
- With LED, Lift Flap, resistor, duty and tag label options
- 4 x M20 entries, 3 x certified plugs and 1 x dust cover supplied
- Temperature range -40 °C ... +70 °C
- International certification

Alarm Station Series 8146

WebCode 8146G



- Alarm station with break glass hammer
- Glass Reinforced Polyester (GRP) enclosure
- 3 different operating configurations available
- Single M25 entry
- 1 NC + 1 NO contacts
- IP66
- Temperature range -20 °C ... +40 °C
- International certification

Manual Pull Station Series XPPS

WebCode FL6SA



- Aluminum enclosure
- Lightweight robust enclosure
- Break Glass / Pull Lever or Lift Flap / Pull Lever option
- Conventional Pull Lever option
- DPDT switch, 10 A
- 2 x 2/3" NPT entries
- Key or tool reset options
- NEMA 4X
- Temperature range -20 °C ... +40 °C
- NEC certification

For more information please refer to r-stahl.com

R. STAHL SIGNALLING DEVICES OVERVIEW

PRODUCT		SERIES	ATEX / IECEx				NEC 505		NEC 506		NEC 500			Web-Code			
			1	2	21	22	Class I				Class I		Class II		Class III		
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																	
Flashing / Continuous Beacon	Xenon (5 J)	6161	•	•	•	•											6161A
Flashing / Continuous Beacon	Xenon, LED	6162	•	•	•	•											6162A
Flashing Beacon	Xenon (5, 10, 20 J)	FL60	•	•	•	•	•	•	•	•	•	•	•	•	•	•	FL60B
Flashing Beacon	Xenon (5 J)	FL6S	•	•	•	•											FL6SA
Continuous Beacon	LED	FX15	•	•	•	•											FX15A
Flashing Beacon	Xenon (5 J)	FX15	•	•	•	•											FX15B
Multi-Signalling Device	Xenon (5 J)	MEXE / MSX5	•	•	•	•											MSA
AUDIBLE AND VISUAL SIGNALLING DEVICES																	
Omnidirectional	Sounder / Strobe	YL60	•	•	•	•	•	•	•	•	•	•	•	•	•	•	YL60A
Omnidirectional	Sounder / Strobe	YL6S	•	•	•	•											YL6SA
Multi-Signalling Device	Sounder / Strobe	MEXE / MSX5	•	•	•	•											MSA
MANUAL ALARM CALL POINT																	
Manual Call Point	Push Button / Break Glass	MCP	•	•	•	•											MCPA
Alarm Station	Break Glass	8146 / 5052	•	•	•	•	•	•			•		•	•	•		8146G
Manual Pull Station	Pull Lever	XPPS									•		•				XPPSA

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

