



# Hazardous Area Audible Signal

## YA11 Series Panel or Surface Mount Alarms Overview

STAHL YA11 series signal alarms provide an audible warning, alert, or information. For example, in the event of equipment malfunctions or safety issues, or when systems are starting up. The YA11 series signal alarms are designed to provide an omni-directional audible signal and is intended for use in hazardous areas or the harshest environments and have hazardous area certifications for international use.

## Features

- Lightweight, corrosion resistant ABS and aluminum construction
- Low profile
- 100dB at 1-meter
- NEMA 4X, IP66 rating
- Meets UL, CUL, ATEX and IECEx approvals
- -40 to 70°C (-40 to 158°F) temperature range
- Stainless steel mounting and console sealing hardware included
- Prewired with a 3-meter (118 inches) cable for easy installation



**YA11-1-D-01-RN**

| YA11 Series Alarms      |   |                       |                           |                       |
|-------------------------|---|-----------------------|---------------------------|-----------------------|
| Part Number             | <u>YA11-1-D-01-RN</u>   | <u>YA11-1-D-02-RN</u> | <u>YA11-1-D-04-RN</u>     | <u>YA11-1-D-11-RN</u> |
| Price                   | \$562.00  | \$562.00              | \$562.00                  | \$562.00              |
| Drawing Link            | <a href="#">PDF</a>   | <a href="#">PDF</a>   | <a href="#">PDF</a>       | <a href="#">PDF</a>   |
| Description             | STAHL Alarm Buzzer: 100dB at 1m   |                       |                           |                       |
| Rated Voltage           | 24VDC   |                       |                           |                       |
| Operating Voltage Range | 18 - 32 VDC   |                       |                           |                       |
| Rated Power Consumption | 70mA  |                       |                           |                       |
| Maximum Volume          | 100dB at 1m   |                       |                           |                       |
| Tone Type               | Alternating two-tone  |                       | Alternating fast two-tone | Continuous            |
| Tone Frequency          | 800Hz<br>1kHz   | 2.5 kHz<br>3.1 kHz    | 2.5 kHz<br>3.1 kHz        | 1kHz                  |
| Operating Temperature   | -40 to 70°C [-40 to 158°F]  |                       |                           |                       |
| Mounting Location       | Hazardous location rated  |                       |                           |                       |
| Mounting Direction      | Any   |                       |                           |                       |
| Protection              | Panel or Surface Mount - IP66   |                       |                           |                       |
| NEMA Rating             | 4X  |                       |                           |                       |
| Weight                  | 3.57 lb   |                       |                           |                       |
| Housing Material        | Aluminum/ABS plastic  |                       |                           |                       |
| Housing Color           | Red   |                       |                           |                       |
| Cable Description       | 3m (118in) ÖLFLEX150 QUATTRO/18AWG 2x1mm <sup>2</sup>   |                       |                           |                       |
| Agency Approvals        | Standard UL 464, Edition 9, Revision date 2009-08-14<br>ISA 12.12.01-2010 - Nonincendive Electrical Equipment For Use In Class I and II,<br>Division 2, and Class III, Divisions 1 and 2 Hazardous (Classified) Locations -<br>Edition 1 - Approved 2011-01-28<br>Canadian Standard CAN/ULC-S525-07, Edition 3, dated February 2007<br>CSA C22.2 No. 213 - Nonincendive Electrical Equipment For Use In Class 1,<br>Division 2 Hazardous Locations - (1987 Edition) - Edition 1 - Issue Date 1987-03-01 |                       |                           |                       |

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.  
 Specifications continued on the following page



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## YA11 Series Panel or Surface Mount Alarms

### Specifications

| YA11 Series Alarms - Explosion Protection Specifications |  |                |                |                |
|--|--|----------------|----------------|----------------|
| Part Number  | YA11-1-D-01-RN   | YA11-1-D-02-RN | YA11-1-D-04-RN | YA11-1-D-11-RN |
| Scope of Validity  | Canada, European Union (ATEX), IECEx, USA                          |                |                |                |
| Application range (zones)                                | 2, 22  |                |                |                |
| IECEX gas certificate                                    | IECEX BAS 11.0058X   |                |                |                |
| IECEX gas explosion protection                           | Ex nA IIC T4 Gc  |                |                |                |
| IECEX dust certificate                                   | IECEX BAS 11.0058X   |                |                |                |
| IECEX dust explosion protection                          | Ex tc IIIC T90°C Dc IP66   |                |                |                |
| ATEX gas certificate                                     | Baseefa 10 ATEX 0252X  |                |                |                |
| ATEX gas explosion protection                            | II 3 G Ex nA IIC T4 Gc   |                |                |                |
| ATEX dust certificate                                    | Baseefa 10 ATEX 0252X  |                |                |                |
| ATEX dust explosion protection                           | II 3 D Ex tc IIIC T90°C Dc IP66                                    |                |                |                |
| USA gas certificate                                      | UL E161818   |                |                |                |
| USA dust certificate                                     | UL E161818   |                |                |                |
| NEC 500 gas explosion protection                         | Class I, Div. 0  |                |                |                |
| NEC 500 zones  | Class I, Zone 2  |                |                |                |
| NEC 500_2 gas explosion protection                       | Group A,B,C,D  |                |                |                |
| CAN gas certificate                                      | UL E161818   |                |                |                |
| Marking cULus  | Class I, Div. 2, Groups A,B,C,D<br>Class I, Div. 2, Groups A,B,C,D |                |                |                |
| Certificates   | ATEX (BAS), Canada / USA (UL), IECEx (BAS)                         |                |                |                |