

# AR-070 SERIES EXPLOSION-SAFE

CE II 3 GD; Ex nA II T4; Ex tD A22 IP65 T85°C 94/9/EC (ATEX) and 2004/108/EC (EMC) EN60079-0, EN60079-15, EN61241-0, EN61241-1

## Explosion-safe Signal Light Ø40mm



### Description

Explosion-safe Signal Light featuring an LED light that is versatile and energy-efficient. The vertical and horizontal cut lenses in combination with a double-reflection system enhances the LED light diffusion to create a unique, full and brilliant light. The lenses and main body are made of strong synthetic materials with characteristics to withstand harsh environments. The Signal Light can be ordered in any combination from 1 to 5 LED units with any color combination. In addition to its "continuous lighting" condition, the Signal Light can also be ordered with flashing / non-flashing functions, as well as with two super-loud alarm sounds with an 85dB (at 1m) output.

### Features

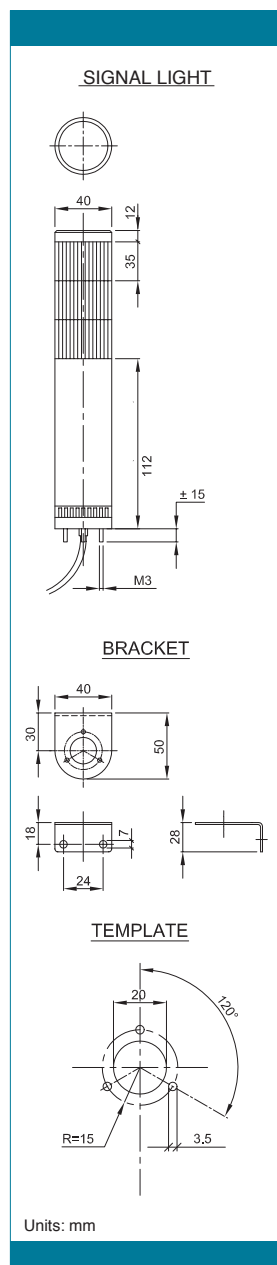
- Explosion-safe for gas and dust
- Suitable for Zone 2 and Zone 22
- CE compliance in accordance to ATEX
- Full and brilliant lumination
- LED double reflection lighting system
- Different lens colors available
- From 1 to 5 tiers
- Available with "flashing/non flashing" and two audible buzzer alarm sounds
- Ingress protection of IP65
- Wall mount or direct mount



AR-070 series



### Dimensions



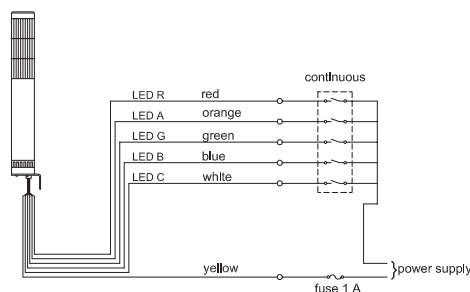
### Specifications

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Explosion-safety:        | CE II 3 GD; Ex nA II T4; Ex tD A22 IP65 T85°C       |
| CE conformities:         | EN 60079-0, EN 60079-15, EN 61241-0, EN 61241-1     |
| Certification:           | EC-Declaration of conformity                        |
| Ambient Temperature:     | -30 °C to +60 °C                                    |
| Ingress Protection:      | IP65 to EN 60529                                    |
| Material:                | ABS towerbody, polyester glassfibre reinforced base |
| Lighting Source:         | Multiple LEDs with double reflection system         |
| Acoustical Source:       | Buzzer 85 dB (1m) with two different tones          |
| Rated Voltage:           | 24 V AC/DC                                          |
| Assembly position:       | As desired                                          |
| Activation Time:         | 100%                                                |
| Module Colors Available: | Red, Amber, Green, Blue, Clear/white                |
| Cable:                   | Factory sealed cable, Ø 8 mm, length 3 meter        |

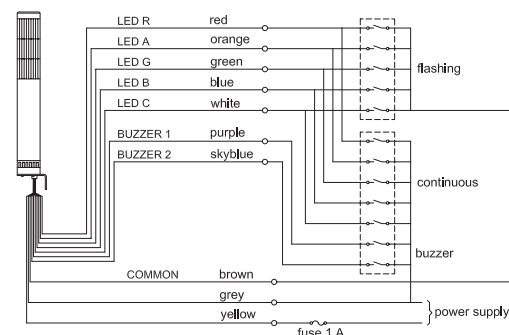
| CURRENT RATINGS |      |                    |  |               |      |                |  |
|-----------------|------|--------------------|--|---------------|------|----------------|--|
| LED             |      |                    |  | BUZZER        |      |                |  |
| Signal          | Line | Current            |  | Signal        | Line | Current        |  |
| Red, Amber      |      | Green, Blue, Clear |  |               |      | Inrush Current |  |
| approx. 30 mA   |      | approx. 25 mA      |  | approx. 40 mA |      | approx. 250 mA |  |

### CONNECTION DIAGRAMS

continuous light AC/DC 24V



continuous and flashing light with alarm AC/DC 24V



| EXPLOSION-SAFE SIGNAL LIGHT                         |      |           |      |               |      |             |      |
|-----------------------------------------------------|------|-----------|------|---------------|------|-------------|------|
| How to order                                        | Code | Voltage   | Code | No. of Stacks | Code | Colors*     | Code |
| Continuous lighting (only)                          | 1    | 24V AC/DC | 1    | 1-5           | 1    | Red         | R    |
|                                                     |      |           |      |               | 2    | Amber       | Y    |
|                                                     |      |           |      |               | 3    | Green       | G    |
|                                                     |      |           |      |               | 4    | Blue        | B    |
|                                                     |      |           |      |               | 5    | Clear/White | C    |
| Continuous/Flashing lighting and two Audible alarms | 2    |           |      |               |      |             |      |

→ Type number AR-070 0 1 / - RYGB C \*Colors are arranged from top to bottom