ARTIDOR
Explosion Safety

Explosion-safe Signal Tower Ø 60mm
with sealed cable
Model: AR-078 Series

PATLITE
New Frontiers in Safety, Security and Comfort.

Founded in 1947, Patlite has long been recognized as the Global leader in design, manufacture and application of visual and audible signaling. Development of these explosive environment products again demonstrates our strong commitment to serving industry with unique and innovative solutions.

http://www.patlite.com

[Description]

The ingress protection degree of **IP65** allows the Signal Tower to be installed in damp, dusty factory and outdoor environments.

Explosion-safe Signal Tower 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 Tower 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 Tower can also be ordered with flashing / non-flashing functions, as well as with two super-loud alarm sounds with an 85dB (at 1m) output. The ingress protection when adding the buzzer feature will be reduced to IP54.
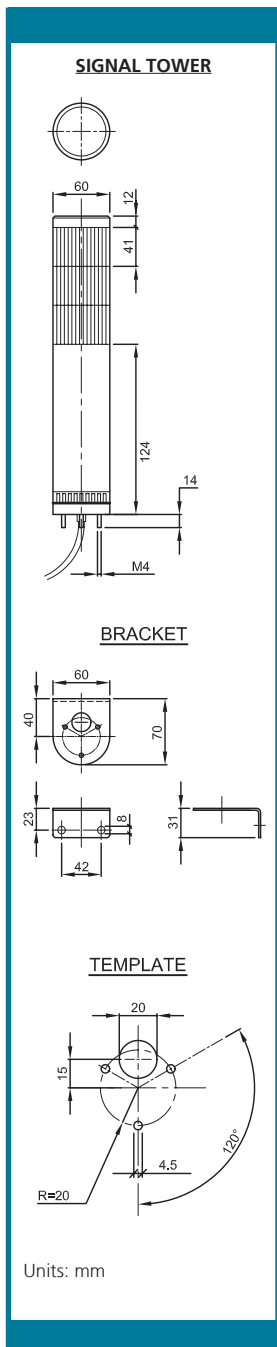
[Features]

- 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 (IP54 with Buzzer)
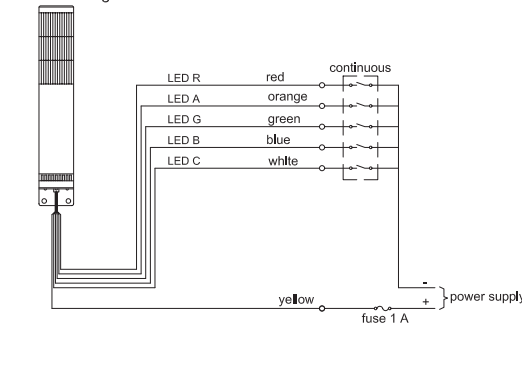- Wall mount or direct mount

CE ATEX ⟨Ex⟩ II 3GD
Ex nA II T4

[Dimensions]

SIGNAL TOWER

BRACKET

TEMPLATE

Units: mm

[Technical Data]

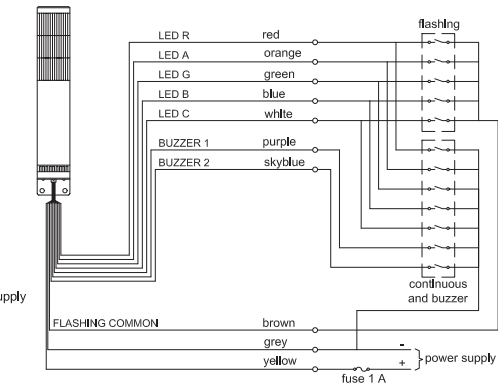|	
Explosion-safety:	CE ⟨Ex⟩ II 3 GD; Ex nA II T4; Ex tD A22 IP65 T85°C
Applicable EU Directives:	94/9/EG (ATEX) and 89/336 (EMC)
CE Conformities:	EN 60079-0, EN 60079-15, EN 61241-0, EN 61241-1
Certification:	EC-Declaration of conformity
Ambient Temperature:	-20 °C to +40 °C
Ingress Protection:	IP65 (AR-078/011) or IP54 (AR-078/021) 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
Cable:	Factory sealed cable, Ø 8 mm, length 1.5 meter

CURRENT RATINGS			
LED		**Buzzer**	
Signal Line Current		**Signal Line Current**	**Inrush Current**
Red, Amber	Green, Blue, Clear		
approx. 52,5 mA	approx. 20 mA	approx. 40 mA	approx. 250 mA

CONNECTION DIAGRAMS

continuous light AC/DC 24V

continuous and flashing light with alarm AC/DC 24V

[Ordering Code]

EXPLOSION-SAFE SIGNAL TOWER							
Version	**Code**	**Voltage**	**Code**	**Nr of Stacks**	**Code**	**Colors** *	**Code**
Continuous lighting (only)	1	24 V AC/DC	1	1 - 5	1	Red	R
					2	Amber	Y
Continuous / Flashing lighting and two Audible alarms	2				3	Green	G
					4	Blue	B
					5	Clear / white	C

➔ Type number AR 078 - 0 1 / - RYGBC   * Colors are arranged from top to bottom