

## TWS SOUNDERS

TWS sounder modules are the right complement to add acoustic signalization to the luminous part of the stacklight. According to each application need, there are 3 possible solutions:

### TWS PZO

Piezoelectrical sounder. 6 tones selectable via dip-switch

### TWS MDA

High output magnetodynamic sounder. 32 tones selectable via dip-switch

### TWS A+

High protection grade magnetodynamic sounder. 16 tones selectable via dip-switch, this IP65 module is ideal for outdoor applications

## KEY CHARACTERISTICS

### NUMBER OF TONES

PZO | 3 (low output) + 3 (high output)  
MDA | 32 (mixed tones)  
A+ | 16 (mixed tones)

### VOLTAGES

PZO | 12/48V ACDC, 110/240V AC +/-10%  
MDA | 12/24V ACDC, 48V AC, 110V AC, 240V AC +/-10%  
A+ | 12/24V ACDC, 110/240V AC +/-10%

### PROTECTION GRADE

PZO | IP54, UL TYPE 3R  
MDA | IP54, UL TYPE 3R  
A+ | IP65, UL TYPE 3R

### OPERATING TEMPERATURE

-30/+50 C°

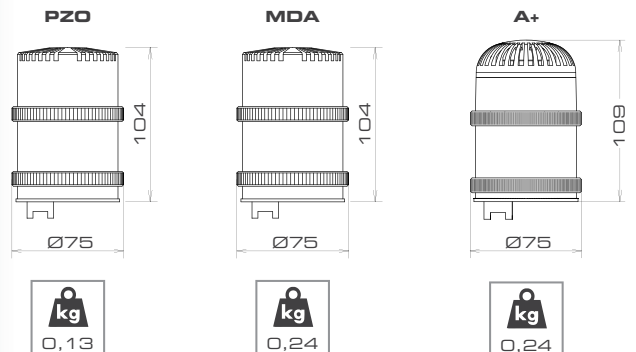
### MECHANICAL FEATURES

Self extinguishing PC body with high impact resistance, suitable for outdoor use thanks to the IP54/TYPER 3R (A+: IP65/ TYPER 3R) protection grade

### ACOUSTIC FEATURES

PZO | Piezoelectrical unit, frequency 2800Hz +/-100  
MDA | Magnetodynamic unit, frequency range 300-2850Hz  
A+ | Magnetodynamic unit, frequency range 300-2850Hz

## DRAWINGS, DIMENSIONS AND WEIGHTS



## CERTIFICATIONS



TWS SOUNDERS | PART NO

See page 19, section "SOUNDERS"