

## Acoustic and optical signalling - TECHNICAL CHARACTERISTICS

### Bells and buzzers

12 V and 24 V bells and buzzers are to be supplied through safety isolating transformer

### Conformity to Standards

LV Directive for 16402, 16403, 16407 and 16408

### Three-tone electronic chime

#### Scope

Particularly suitable for residential, commercial and similar applications where a differentiation is necessary between external and internal calls (i.e. building door, entrance door and call from bathroom cord-operated push button).

For three independent call signalling:

- three-tone sequence: one single cycle at a time is performed (even keeping the push button pressed)
- two-tone sequence: up to 8 cycles are performed keeping the push button pressed
- constant-tonality buzz: one cycle lasting up to 20 s is performed keeping the push button pressed

### Conformity to Standards

EMC Directive

EN 61000-6-1, EN 61000-6-3 Standards

### Technical specifications

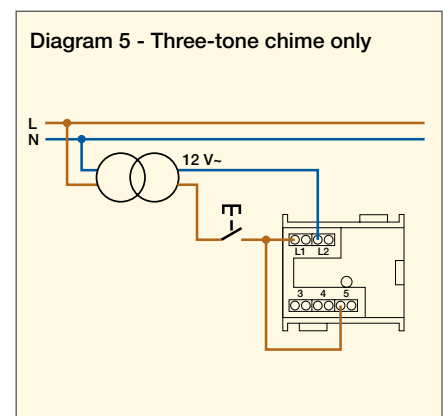
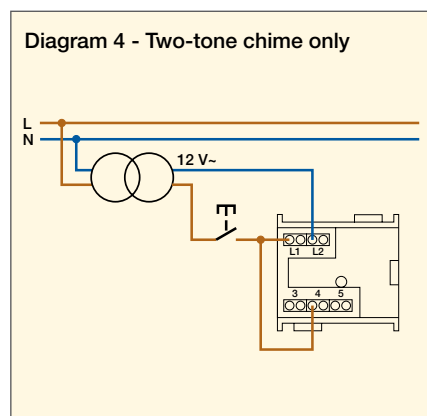
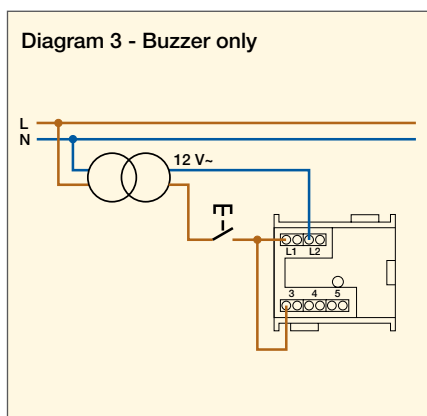
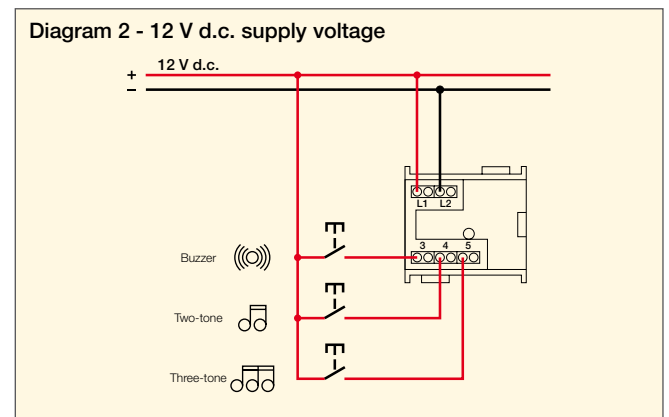
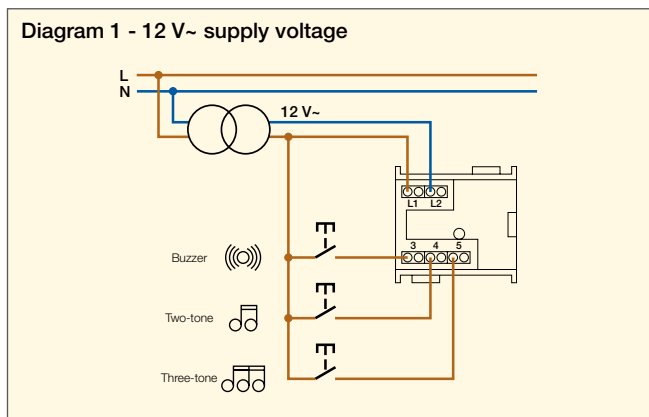
- D type equipments: the sound emission has the same lasting time of the control operation
- intermittent functioning 15/60: the sound emission can last up to max 15 s, followed by period at rest of 60 s

### Technical specifications

- to be supplied through safety isolating transformer
- supply voltage:
  - 12 V~  $\pm 10\%$  50-60 Hz
  - 12 V d.c.  $\pm 10\%$
- absorption:
  - 9 VA max during operation calls
  - about 1 VA at rest
- volume: 75 dB max. at 3 m for buzzer function, and 70 dB for two-tone and three-tone functions, settable acting on the trimmer on the back of the device.
- operations through NO push buttons to be connected as indicated either in diagram 1 or 2

If the electronic chime is used instead of a 2-wire bell, it is possible to realize the connections as indicated in diagrams 3, 4 and 5. If the three-tone or the two-tone function is used, the cycle is completed only keeping the push button pressed till the end of the cycle.

### Three-tone chime wiring diagrams



## Acoustic and optical signalings

### Electromechanical bell

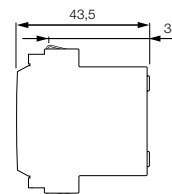
<b>16400</b>	<b>.B</b>	Bell, 12 V~ (SELV) 50 Hz 8 VA
<b>16401</b>	<b>.B</b>	Bell, 24 V~ (SELV) 50 Hz 8 VA
<b>Δ 16402</b>	<b>.B</b>	Bell, 110 V~ 50-60 Hz 8 VA
<b>16403</b>	<b>.B</b>	Bell, 230 V~ 50 Hz 8 VA



**16400**  
**16401**  
**16402**  
**16403**  
grey



**16400.B**  
**16401.B**  
**16402.B**  
**16403.B**  
white



### Electronic bell

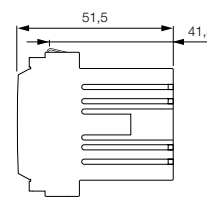
<b>16420</b>	<b>.B</b>	3-sound-sequence electronic chime (three-, two-tone, buzzer), adjustable volume, supply voltage 12 V~ 50-60 Hz and 12 V d.c. (SELV) - 2 modules
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**16420**  
grey



**16420.B**  
white



### Buzzer

<b>16405</b>	<b>.B</b>	Buzzer, 12 V~ (SELV) 50-60 Hz 8 VA
<b>16406</b>	<b>.B</b>	Buzzer, 24 V~ (SELV) 50-60 Hz 8 VA
<b>Δ 16407</b>	<b>.B</b>	Buzzer, 110 V~ 50-60 Hz 8 VA
<b>16408</b>	<b>.B</b>	Buzzer, 230 V~ 50-60 Hz 8 VA



**16405**  
**16406**  
**16407**  
**16408**  
grey



**16405.B**  
**16406.B**  
**16407.B**  
**16408.B**  
white

