



# Chroma 231A

## Electronic Chimes

### Electronic chimes CROMA 231A

The **DELUXE ELECTRONIC CHIME** with a large selection of melodies (17) and additional ALARM function — multi-volt operation up to 230 V makes it particularly attractive.

#### Functions

- 17 brilliant polyphone sounds (2/3 tone, Westminster, pop, special tone sequence for people with hearing difficulties, classical etc.)
- Switchable from melody to ALARM tone (optimal for use in combination with movement detectors in a shop, for example, when a melody should sound during the day and an ALARM tone at night)
- Volume adjustable up to max. 86 dB(A)
- 2 different paging signals for optimum access control
- SILENCE function (one-button mute function) with LED indicator
- User-friendly easyTIP control unit for all functions (fold-up cover)

#### Technical data

- Voltages/Currents: see above (ecologically sound operation due to minimal standby losses)
- Max. 86 dB(A)
- Temperature range +5°C to +40°C
- VDE-tested
- Protection rating IP 40

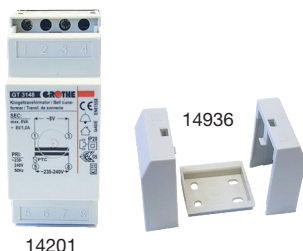
#### Installation

- Safe ring tone activation with potential-free contact or with 8–12 V~/= or 230 V~ (opto-coupler input for max. safety)
- Thanks to integrated transformer, can also be used for mixed installations and renovation (e.g. 230 V power supply and triggering over 8 V of an existing bell transformer)
- Optimum pre-assembly (screw distances correspond to flush-mounting box diameter)
- Parallel circuit to further CROMA chimes or to electromechanical chimes possible

Model	Order No	Description	Colour	Dimensions
<b>CROMA 231A</b>	43177	Multi-volt operation with 8–12 V~/= (250 mA) or 230 V~ (15 mA)	Sliver/Grey	191(H) x 162(W) x 51(D)mm



### Bell Transformer



Model	Order No	Description
<b>GT 3148</b>	14201	<b>Bell transformer</b> Primary: 230-240V~ (50 Hz) Secondary: 8V (1,0A) 90 x 36 x 55 mm
<b>GT 3139</b>	14039	<b>Bell transformer</b> Primary: 230-240V~ (50 Hz) Secondary: 8/12V~ (1.5/1,0A) 90 x 36 x 55 mm
<b>GT 36 AP</b>	14936	<b>Surface-mount installation set</b>



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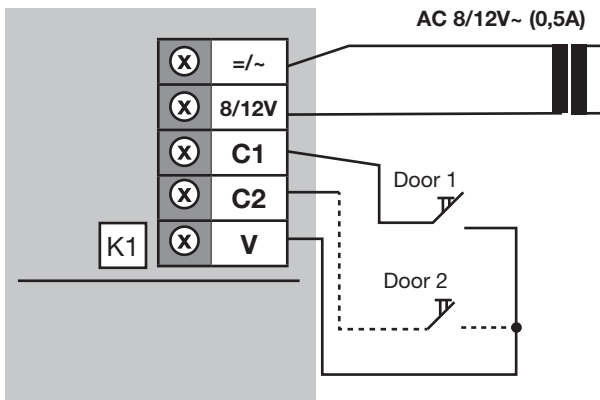


## Wiring Diagram

A

**Power Supply**  
Battery

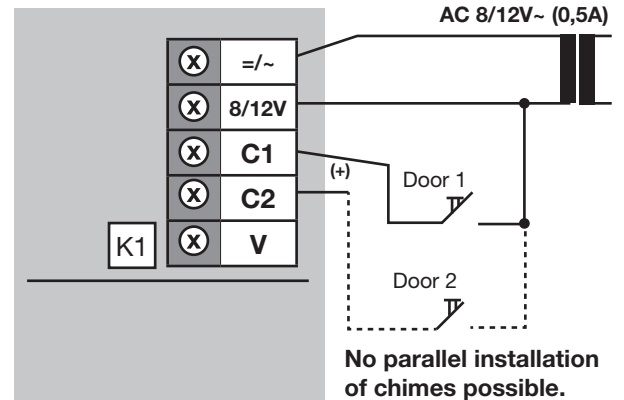
**Start Sound**  
Contact polarity free



B

**Power Supply**  
Battery

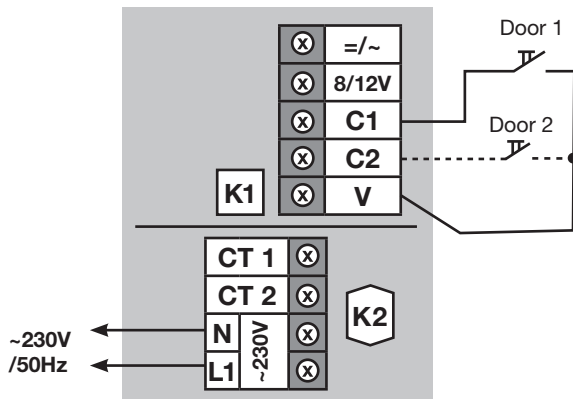
**Start Sound**  
8-12V~



C

**Power Supply**  
230V~ (50HZ)

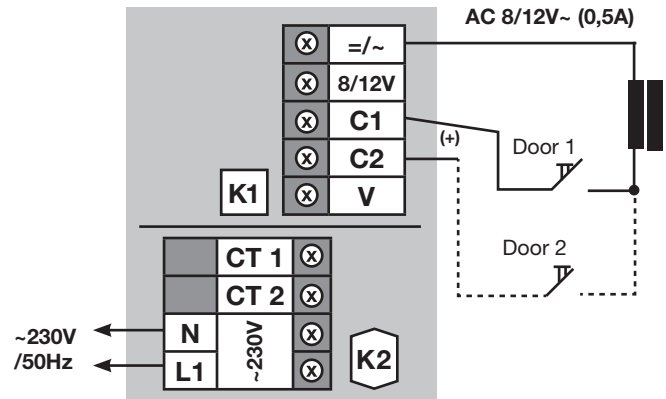
**Start Sound**  
Contact polarity free



D

**Power Supply**  
230V~ (50HZ)

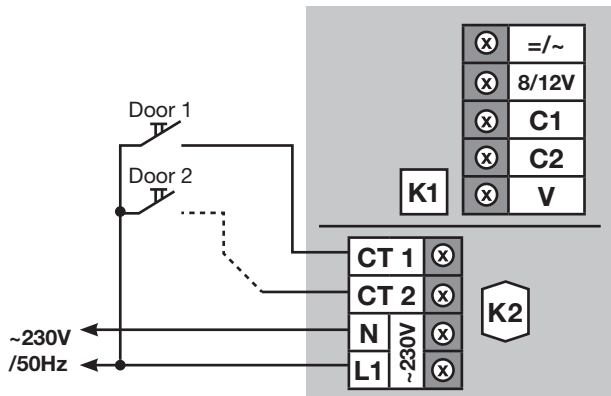
**Start Sound**  
8-12V~



E

**Power Supply**  
230V~ (50HZ)

**Start Sound**  
230V~ (50HZ)

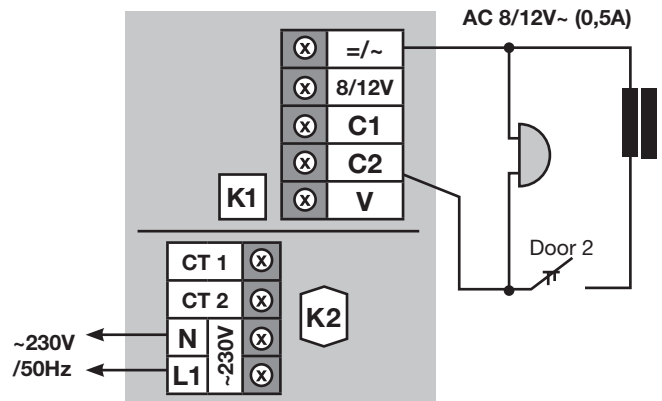


Attention: 230/240V rated bell press only!

F

**Power Supply**  
230V~ (50HZ)

**Start Sound**  
8-12V~



Parallel Installation