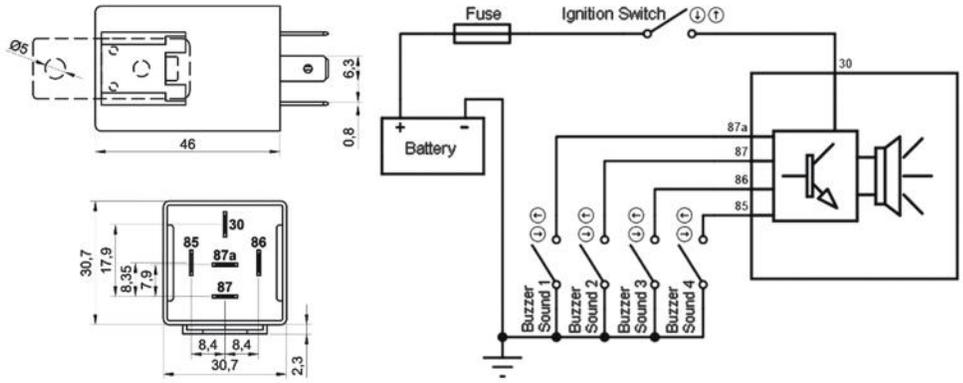


Buzzer w/ 4 Tone

Product Code **203.107.005** **12V (-) Trigger** **203.107.006** **24V (-) Trigger**

• 5 Terminals (30, 85, 86, 87, 87a) • w/ Bracket

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	203.107.005	203.107.006
Nominal Voltage	12V	24V
Operating Voltage	8-16V	18-30V
Audio Options	4	4
Warning Audio (-) on Terminal 85	Continuous	Continuous
Warning Audio (-) on Terminal 86	Short, Short, Short...	Short, Short, Short...
Warning Audio (-) on Terminal 87	Short, Long, Short, Long...	Short, Long, Short, Long...
Warning Audio (-) on Terminal 87a	Long, Long, Long, Long...	Long, Long, Long, Long...
Audio Frequency	1kHz	1kHz
Audio Level	76dB	76dB
Piezo Buzzer Diameter	12mm	12mm
Sound Selection	According to (-) connected terminal	According to (-) connected terminal
Number of Terminals	5 (30 (always +), 85, 86, 87, 87a)	5 (30 (always +), 85, 86, 87, 87a)
Ambient Temperature	-40 / +90 °C	-40 / +90 °C
Bracket	Fe/E-Zn	Fe/E-Zn

Notes

Available in black cover and/or w/o bracket upon request.
 Product details are on the next page.
 All measurements are in millimeters.

Buzzer w/ 4 Tone

<i>Product Code</i>	203.107.005	12V (-) Trigger	203.107.006	24V (-) Trigger (Cont'd)
	• 5 Terminals (30, 85, 86, 87, 87a)		• w/ Bracket	

Product Details

Forgetting the headlights or the radio on makes it difficult or even impossible to start the car, as it consumes battery on a stationary position. ELO Warning Buzzer is designed to warn the driver for such instances. The buzzer may be used for variety of applications such as to warn the driver that the car is in reverse gear, hand brake is engaged, the headlights are on, the seatbelt is not fastened, and many more.

ELO Warning Buzzers 203.107.005 and 203.107.006 have 5 terminals of 30, 85, 86, 87 and 87a. Terminal 30 is always connected to (+) of the battery (12V or 24V). (-) should be connected to one or more terminals of the remaining 4 terminals (85, 86, 87, 87a). The sound option is determined by which terminal the (-) is connected to. If (-) is connected to a single terminal, ELO Buzzer will warn the driver of a single "situation". If (-) is connected to more than one terminal the warning of the first "situation" needs to be eliminated in order for the buzzer to warn the driver of other "situations". In a sense ELO Warning Buzzer operates in "First Come First Serve" basis. For ELO Buzzer to warn the driver of following "malfunctions or situations", the prior case needs to be resolved. The exception of this is the Terminal 85 (continuous sound). All other terminals override Terminal 85.

The important feature of these buzzers compared to other Buzzers ELO manufactures (203.107.003 and 203.107.004) is the lack of need to change the bridge position to produce different sounds. Similarly, these are the only buzzers that have the ability to warn the driver up to 4 "malfunctions/situations" with a single product.

Buzzer w/ 4 Tone

<i>Product Code</i>	203.107.007	12V (+) Trigger	203.107.008	24V (+) Trigger (Cont'd)
	• 5 Terminals (30, 85, 86, 87, 87a)		• w/ Bracket	

Product Details

Forgetting the headlights or the radio on makes it difficult or even impossible to start the car, as it consumes battery on a stationary position. ELO Warning Buzzer is designed to warn the driver for such instances. The buzzer may be used for variety of applications such as to warn the driver that the car is in reverse gear, hand brake is engaged, the headlights are on, the seatbelt is not fastened, and many more.

ELO Warning Buzzers 203.107.007 and 203.107.008 also have 5 terminals of 30, 85, 86, 87 and 87a. Terminal 85 is always connected to (-) of the battery (12V or 24V). (+) should be connected to one or more terminals of the remaining 4 terminals (30, 86, 87, 87a). The sound option is determined by which terminal the (+) is connected to. If (+) is connected to a single terminal, ELO Buzzer will warn the driver of a single "situation". If (+) is connected to more than one terminal the warning of the first "situation" needs to be eliminated in order for the buzzer to warn the driver of other "situations". Same as other versions (203.107.005 and 203.107.006) ,in a sense ELO Warning Buzzers of 203.107.007 and 203.107.008 operate in "First Come First Serve"basis. For ELO Buzzers to warn the driver of following "malfunctions or situations", the prior case needs to be resolved. The exception of this is the Terminal 30 (continuous sound) for 203.107.007 and 203.107.008. All other terminals override Terminal 30.

The important feature of these buzzers compared to other Buzzers ELO manufactures (203.107.003 and 203.107.004) is the lack of need to change the bridge position to produce different sounds. Similarly, these are the only buzzers that have the ability to warn the driver up to 4 "malfunctions/situations" with a single product.



Buzzer w/ 4 Tone

<i>Product Code</i>	203.107.011	12V (-) Trigger	203.107.012	24V (-) Trigger
• 5 Terminals (30, 85, 86, 87, 87a)		• w/ Bracket		

Product Details

Forgetting the headlights or the radio on makes it difficult or even impossible to start the car, as it consumes battery on a stationary position. ELO Warning Buzzer is designed to warn the driver for such instances. The buzzer may be used for variety of applications such as to warn the driver that the car is in reverse gear, hand brake is engaged, the headlights are on, the seatbelt is not fastened, and many more. ELO Warning Buzzers 203.107.011 and 203.107.012 have 5 terminals of 30, 85, 86, 87 and 87a. Terminal 30 is always connected to (+) of the battery (12V or 24V). (-) should be connected to one or more terminals of the remaining 4 terminals (85, 86, 87, 87a). The sound option is determined by which terminal the (-) is connected to. If (-) is connected to a single terminal, ELO Buzzer will warn the driver of a single "situation". If (-) is connected to more than one terminal the warning of the first "situation" needs to be eliminated in order for the buzzer to warn the driver of other "situations". Same as other versions (203.107.005 and 203.107.006) ,in a sense ELO Warning Buzzers of 203.107.011 and 203.107.012 operate in "First Come First Serve"basis. For ELO Buzzers to warn the driver of following "malfunctions or situations", the prior case needs to be resolved. The exception of this is the Terminal 30 (continuous sound) for 203.107.011 and 203.107.012. All other terminals override Terminal 30.

The important feature of these buzzers compared to other Buzzers ELO manufactures (203.107.003 and 203.107.004) is the lack of need to change the bridge position to produce different sounds. Identical to 203.107.005, 203.107.006, 203.107.007 and 203.107.008, these buzzers that have the ability to warn the driver up to 4 "malfunctions/situations" with a single product. The difference among these products is the trigger option (- or +), nominal voltage (12V or 24V) and audio level (76 dB or 90 dB).

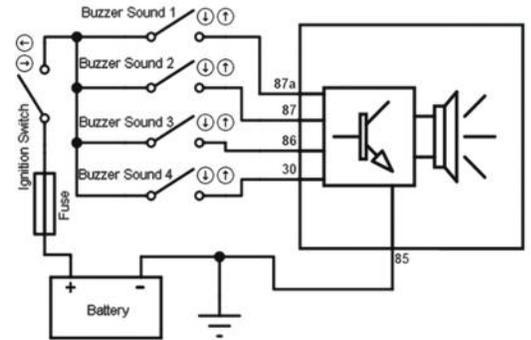
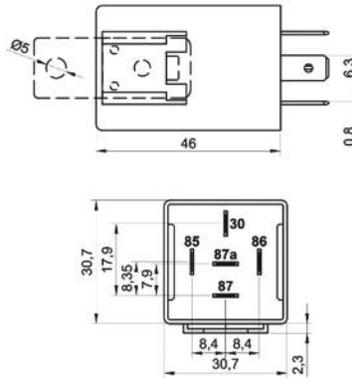


Buzzer w/ 4 Tone

Product Code **203.107.013** **12V (+) Trigger** **203.107.014** **24V (+) Trigger**

• 5 Terminals (30, 85, 86, 87, 87a) • w/ Bracket

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	203.107.013	203.107.014
Nominal Voltage	12V	24V
Operating Voltage	8-16V	18-30V
Audio Options	4	4
Warning Audio (-) on Terminal 85	Continuous	Continuous
Warning Audio (-) on Terminal 86	Short, Short, Short...	Short, Short, Short...
Warning Audio (-) on Terminal 87	Short, Long, Short, Long...	Short, Long, Short, Long...
Warning Audio (-) on Terminal 87a	Long, Long, Long, Long...	Long, Long, Long, Long...
Audio Frequency	1kHz	1kHz
Audio Level	90dB ± 3	90dB ± 3
Piezo Buzzer Diameter	22mm	22mm
Sound Selection	According to (+) connected terminal	According to (+) connected terminal
Number of Terminals	5 (85 (always -), 85, 86, 87, 87a)	5 (85 (always -), 85, 86, 87, 87a)
Ambient Temperature	-40 / +90 °C	-40 / +90 °C
Bracket / Plating	Fe/E-Zn	Fe/E-Zn

Notes

All measurements are in millimeters.

Buzzer w/ 4 Tone

<i>Product Code</i>	203.107.013	12V (+) Trigger	203.107.014	24V (+) Trigger
• 5 Terminals (30, 85, 86, 87, 87a)		• w/ Bracket		

Product Details

Forgetting the headlights or the radio on makes it difficult or even impossible to start the car, as it consumes battery on a stationary position. ELO Warning Buzzer is designed to warn the driver for such instances. The buzzer may be used for variety of applications such as to warn the driver that the car is in reverse gear, hand brake is engaged, the headlights are on, the seatbelt is not fastened, and many more. ELO Warning Buzzers 203.107.013 and 203.107.014 have 5 terminals of 30, 85, 86, 87 and 87a. Terminal 85 is always connected to (-) of the battery (12V or 24V). (+) should be connected to one or more terminals of the remaining 4 terminals (30, 86, 87, 87a). The sound option is determined by which terminal the (+) is connected to. If (+) is connected to a single terminal, ELO Buzzer will warn the driver of a single "situation". If (+) is connected to more than one terminal the warning of the first "situation" needs to be eliminated in order for the buzzer to warn the driver of other "situations". Same as other versions (203.107.005 and 203.107.006) ,in a sense ELO Warning Buzzers of 203.107.011 and 203.107.012 operate in "First Come First Serve"basis. For ELO Buzzers to warn the driver of following "malfunctions or situations", the prior case needs to be resolved. The exception of this is the Terminal 30 (continuous sound) for 203.107.011 and 203.107.012. All other terminals override Terminal 30.

The important feature of these buzzers compared to other Buzzers ELO manufactures (203.107.003 and 203.107.004) is the lack of need to change the bridge position to produce different sounds. Identical to 203.107.005, 203.107.006, 203.107.007 and 203.107.008, these buzzers that have the ability to warn the driver up to 4 "malfunctions/situations" with a single product. The difference among these products is the trigger option (- or +), nominal voltage (12V or 24V) and audio level (76 dB or 90 dB).

