

SVC Series

Vehicle Control

STANDARD SERIES



The **Sonitron Vehicle Control** standard series are a total solution for vehicle move control. The construction is based on the standard series with a long life time and ruggedized housing.

A stainless steel mounting bracket, solid connection wires and industrial - automotive rugged connector secures all the mechanical strength you need. This total package is designed for direct use on 12V or 24V car battery with an internal trigger function to avoid unwanted activation.

ADVANTAGES & APPLICATIONS

ADVANTAGES :

- Up to 40Vdc
- Designed for battery applications 12V/24V
- Life time > 2000 hours (@1m@12Vdc in free air @21°C)
- Low power consumption
- Wrong polarity protected
- SS-304 mounting bracket
- Deutch Connector & 16 AWG wires
- Trigger-on function (7.5V or 15.75V)
- IP67 Dust and Waterproof

- Temperature range -40°C to +85°C
- Shock protection during displacement

APPLICATIONS :

- Total Vehicle Control for several applications
- Agricultural machinery
- Hoisting crane machinery
- Mining equipment

SPECIFICATIONS

**All measurements are made @ 1 meter @ 12Vdc in free air @ 21°C*

Model	Function	DC Battery	Activation Trigger-on	Frequency +/- 15% (Hz)	Pulse Rate (Hz)	SPL dB(A) @1m*
SVC 7C	Contin.	12V	7.5V	2500	-	90
SVC 7I	Intermit.	12V	7.5V	2500	1	90
SVC 15C	Contin.	24V	15.75V	2500	-	90
SVC 15I	Intermit.	24V	15.75V	2500	1	90

Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Life Time (@21°C)	@12Vdc continuous use min. 2000 hours (expected life time curve see catalogue p 112)
Case Material	ABS (UL rating: 94HB)
Standard colour of case	Grey
Weight	64g
Max Voltage	40Vdc
current consumption (range 7.5Vdc to 40Vdc)	15mA

ELECTRICAL PARAMETERS

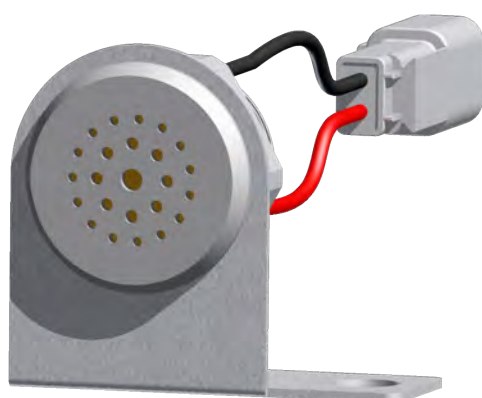
The buzzer is designed to produce a sound output of 90 dB(A) at 1 meter and can be used in applications up to 40Vdc.

The buzzer only starts when the trigger DC voltage has been reached.

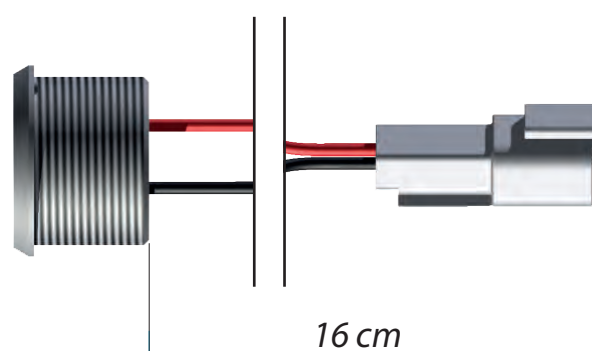
- The SVC 7I and SVC 7C are starting sounding from 7.5 V dc.
- The SVC 15I and SVC 15C are starting sounding from 15.75V dc.

DIMENSIONS (All dimensions are in mm)

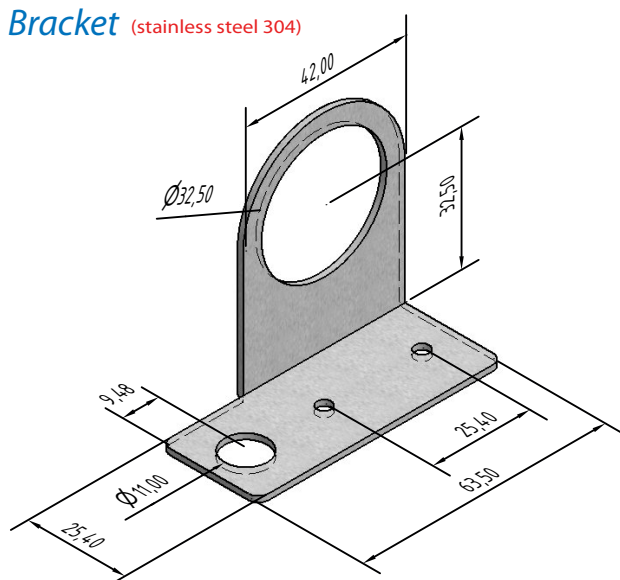
Assembly



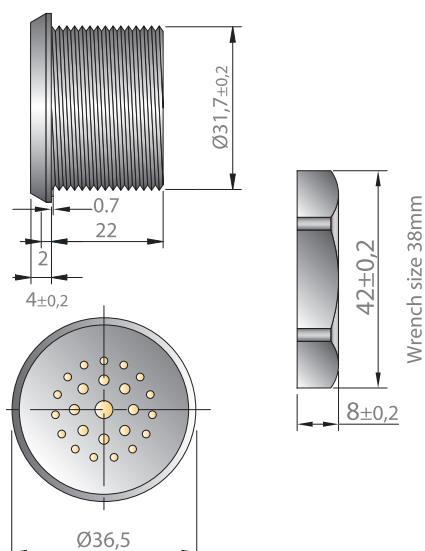
Buzzer assembly



Bracket (stainless steel 304)



Buzzer



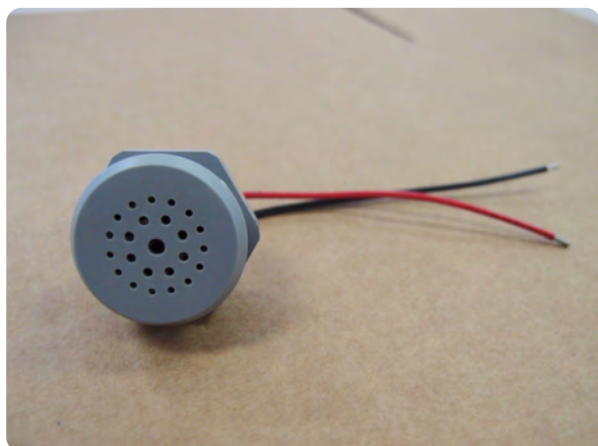
LIST OF AVAILABLE PRODUCT TYPES

SVC 7C	SVC 15C
SVC 7I	SVC 15I

SRA Series

Robust Applications

STANDARD SERIES



The **Sonitron Robust Application** standard series are an important extension of the Standard series.

A superior Life Time has been obtained with a very large DC voltage range from 5Vdc up to 80Vdc. Equipped with 16 AWG wires this buzzer can be used in any harsh industrial environment.

Sonitron expanded with this series a wide application field and strong reliability, especially recommended in critical applications and life support systems.

ADVANTAGES & APPLICATIONS

ADVANTAGES :

- Up to 80Vdc
- Solid state shock proof buzzer
- Life time > 2000 hours
- Very low power consumption (typical 15mA@12Vdc)
- Wrong polarity protected
- Panel mounting, O-ring included
- 16 AWG wire connections (14cm)
- High reliability

- IP67, Dust and waterproof
- Temperature range -40°C to +85°C

APPLICATIONS :

- Industrial
- Automotive Vehicles
- Process & Alarm equipment
- Security & Burglar alarms

SPECIFICATIONS

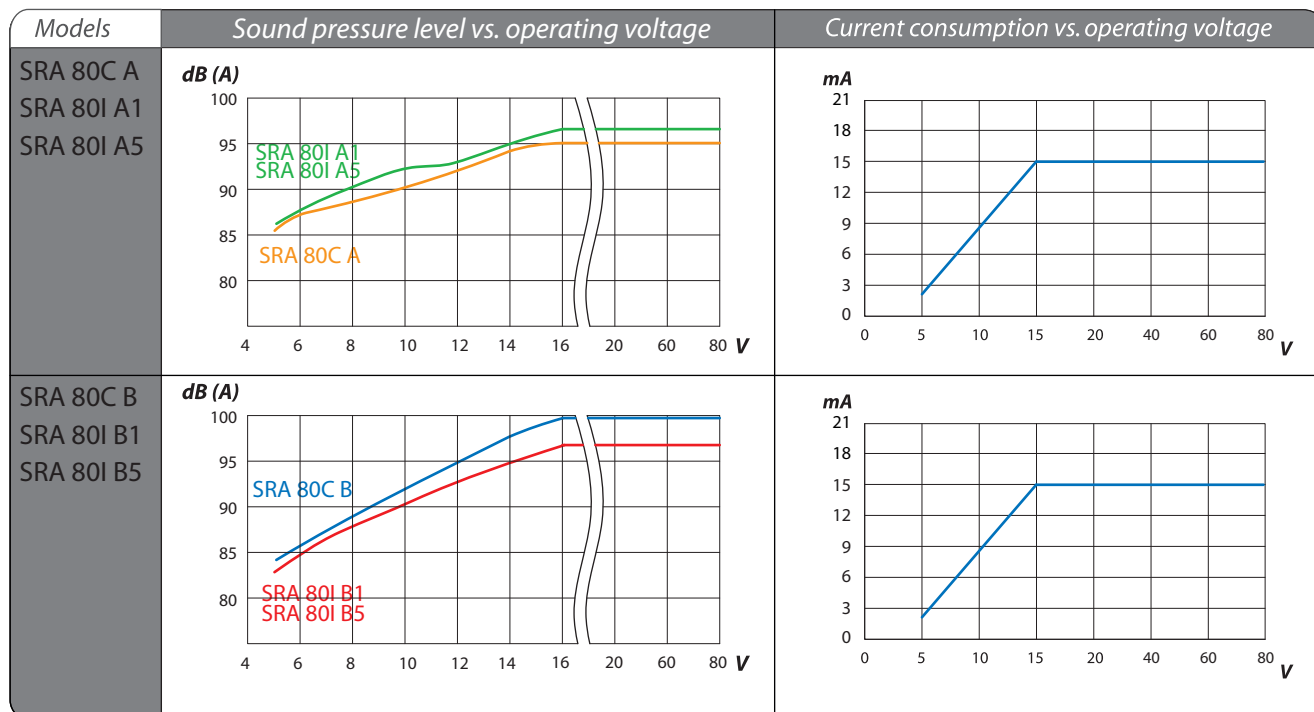
**All measurements are made @ 1 meter @ 12Vdc in free air @ 21°C*

Model	Function	MIN Vdc	MAX Vdc	Frequency +/- 15% (Hz)	Pulse Rate (Hz)	SPL dB(A) +/-4dB @1m@12Vdc*
SRA 80C A	Contin.	5V	80V	2500	-	93
SRA 80I A1	Intermit.	5V	80V	2500	1	92
SRA 80I A5	Intermit.	5V	80V	2500	5	92
SRA 80C B	Contin.	5V	80V	3500	-	95
SRA 80I B1	Intermit.	5V	80V	3500	1	94
SRA 80I B5	Intermit.	5V	80V	3500	5	94

Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Life Time (@21°C)	@12Vdc continuous use min. 2000 hours (expected life time curve see catalogue p112)
Case Material	ABS (UL rating: 94HB)
Standard colour of case	Grey
Weight	34g
Max current consumption	15mA
Wire	16 AWG, 14cm

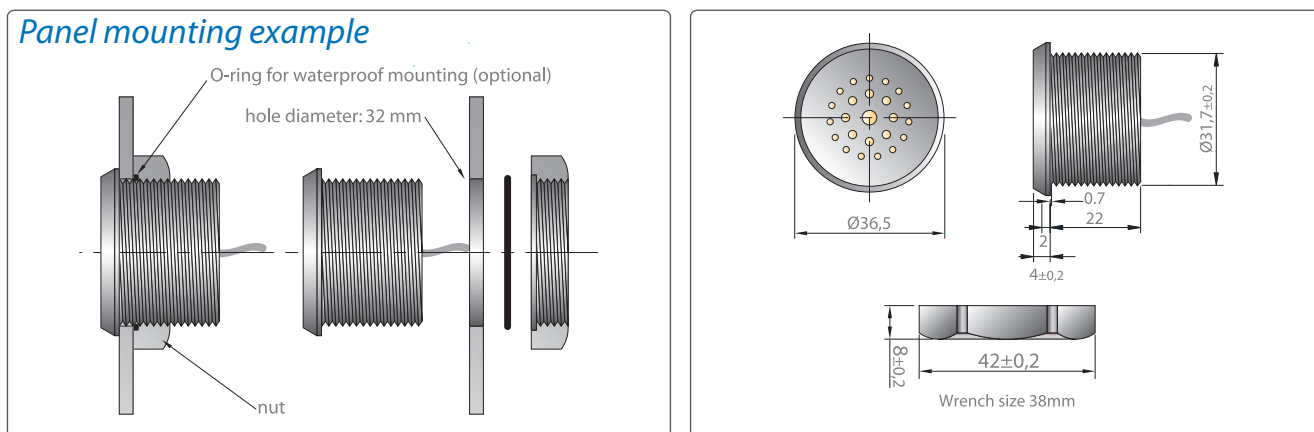
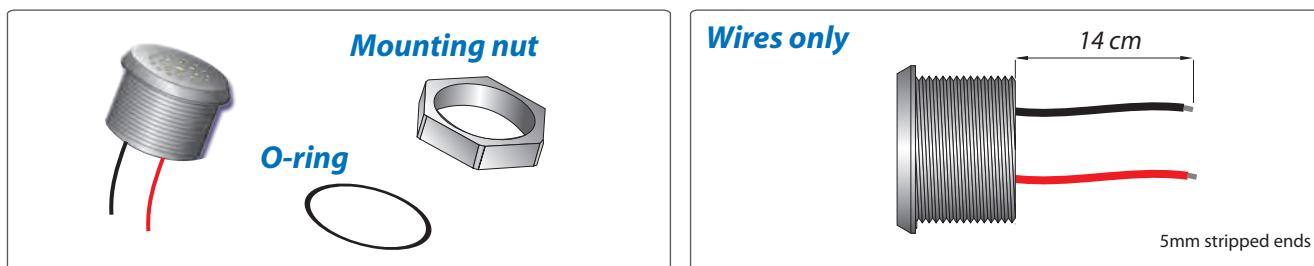
ELECTRICAL PARAMETERS

The buzzer starts sounding from 5Vdc. The sound output increases with raising voltage up to 15Vdc. From 15Vdc to maximum voltage of 80Vdc the sound output remains the same.



All measurements are made @ 12Vdc @ 1 meter in free air @ 21°C.

DIMENSIONS (All dimensions are in mm)



LIST OF AVAILABLE PRODUCT TYPES

SRA 80C A	SRA 80I A1	SRA 80I A5
SRA 80C B	SRA 80I B1	SRA 80I B5