



IGV1

Ex-Proof Siren and Sounder
12-24VDC 100±5 dB(A)

- ✓ Reverse polarity protection
- ✓ Intrinsically Safe
- ✓ Adjustable sound level
- ✓ Selectable tone options
- ✓ Easy assembly and connection



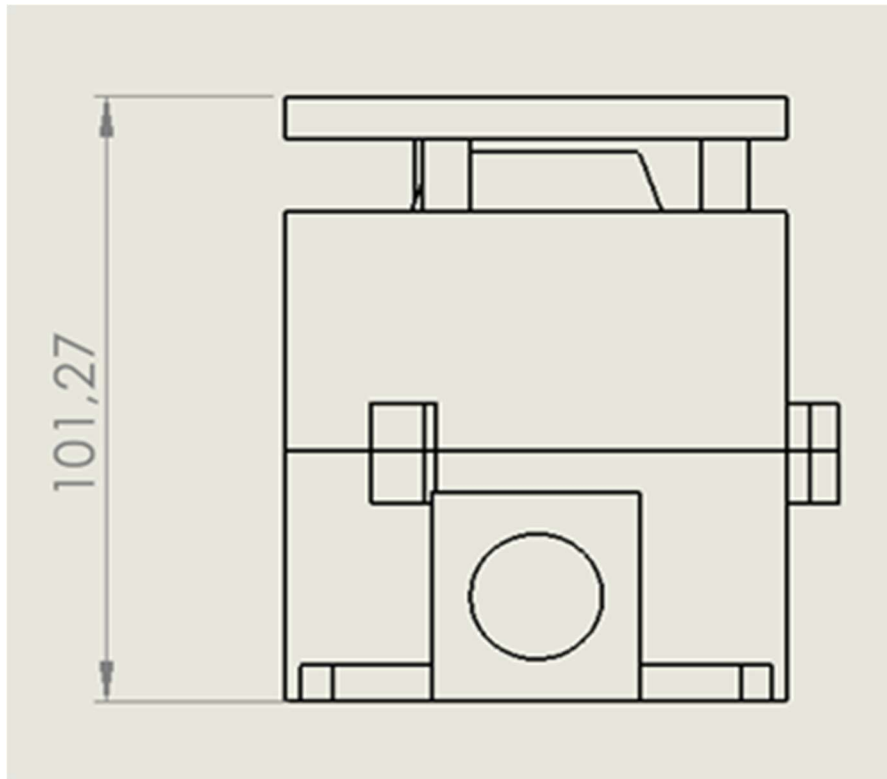
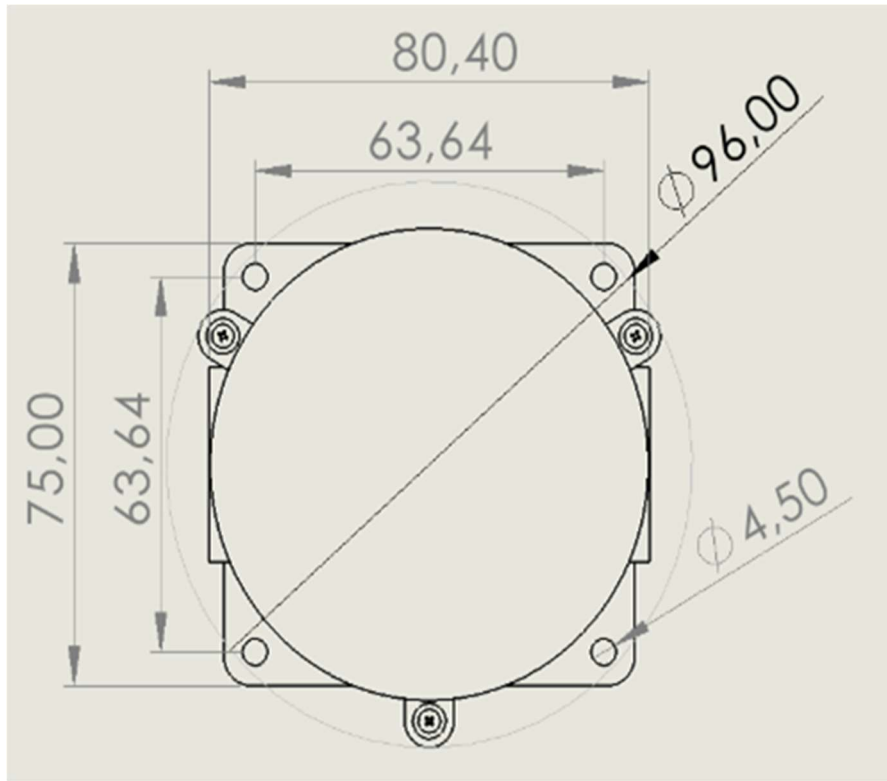
Atex Ex-Proof

EXPLANATION

The IGV1 is an ATEX-certified audible warning siren developed by IG Elektrik Elektronik for use in explosive environments. It features compact design, easy installation and connection, and supports sound levels up to 110 dB(A). With 31 selectable high and low frequency tones, it offers a wide range of applications. It is suitable for ATEX and IECEx Zone 1 and Zone 0. IGV1 is ideal for areas with explosion risks, as well as for fire safety, security, and process control, and is compatible with all intrinsically safe applications. The product must be used with a certified galvanic isolator or Zener barrier.



TECHNICAL INFORMATION



NOTE: THE UNIT OF MEASUREMENTS IS MILLIMETER "mm".



FEATURES

WORKING VOLTAGE	12-24V dc
OUTPUT VALUE (1m*)	High frequency 100dB(A) $\pm$ 5dB(A) Low Frequency 90dB(A) $\pm$ 5dB(A)
NUMBER OF TONE	31 High & Low frequency Sounds
CONNECTION	The connection must be made via a certified Zener Barrier or Galvanic Isolator with output parameters $U_i = 15V$, $I_i = 176mA$, $P_i = 0.66W$ for 12V dc and $U_i = 28V$, $I_i = 93mA$, $P_i = 0.66W$ for 24V dc. The output current of the barrier must be limited so that it does not exceed $I_i = U_i/R$.
SECURITY APPROVAL	EN IEC 60079-0: 2018 EN 60079-11:2012 MP25 ATEX 0295X Ex ia IIC T6 Ga Ex ia IIIC T ₂₀₀ 80°C Da Ex ia I Ma
SUITABLE AREAS	ZONE; 0,1,2,20,21 & 22
TERMINAL DIMENSIONS	0,5 – 2,5 mm ²
PROTECTION	IP66
EXTERNAL BODY	ABS (Akrilonitril Bütadiyen Stiren)
TEMPERATURE (Ta);	-40 $\leq$ Ta $\leq$ 70 °C

