Peter Smart-TO A

BACKUP ALARM

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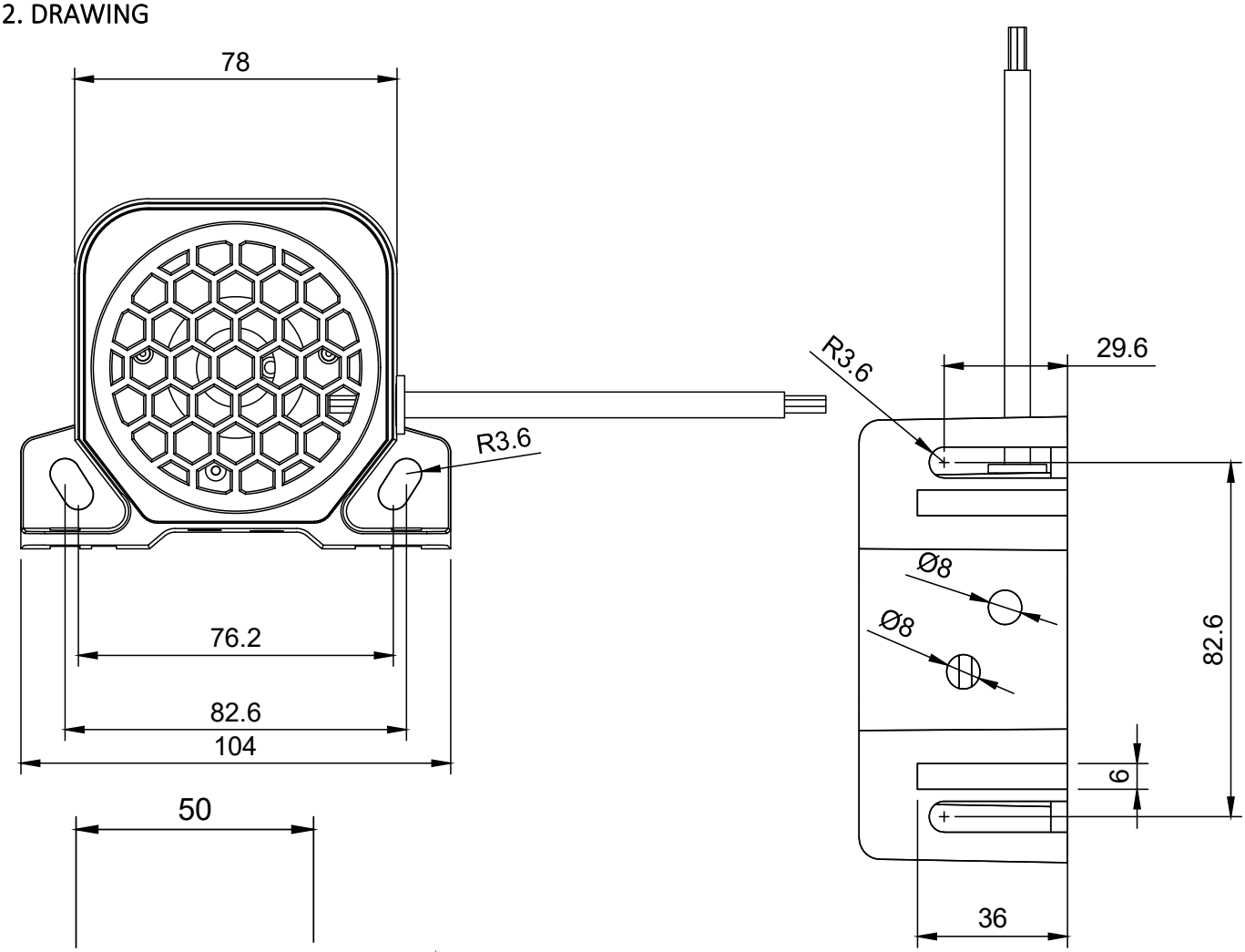
1. SPECIFICATIONS

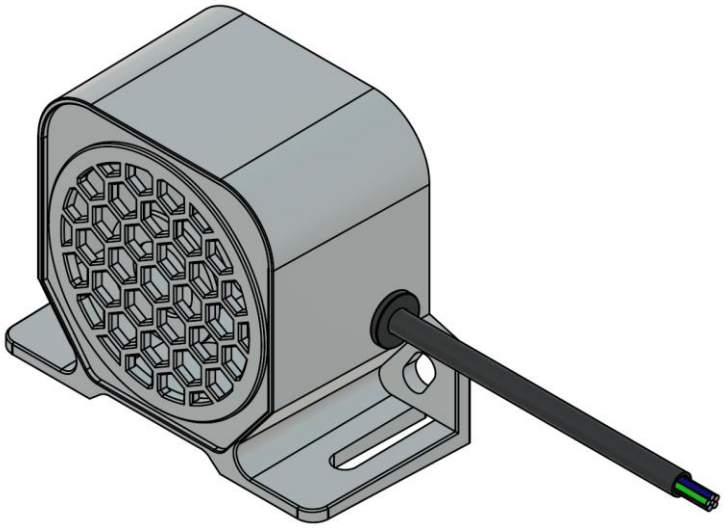
Parameter	Unit	Conditions / Description	MIN	TYP	MAX
Rated Voltage	VDC			12/24	
Operating Voltage	VDC		9		36
Current Consumption	mA				300
SPL *)	dBA	High Level, in 1m distance	97	100**)	103
		Normal Level, in 1m distance	82	85	88
		Low Level, in 1m distance	67	70	73
Frequency		Third Octave Band No. 34		1/3 OCTAVE	
Cycle Time	c/m		28	30	32
IP Rating				IP66, IP67	
Housing				BLACK	
Contact				WIRE	
Packaging				TBD	
Operating Temperature	°C		-40		+85
Storage Temperature	°C		-40		+85
Weight	g			430	

Remark:
Standard Version with Third Octave Sound
*) Meets the requirements of the proposal for a new UN regulation ECE/TRANS/WP.29/GRBP/2022
**) Meets the requirements of SAE J994 Type C

DESIGNED BY	Rabea Richter	**DATE**	2021.11.29	**PART NO.**	**INDEX**
RELEASED BY	Christopher Pagel	**DATE**	2021.11.29	Peter Smart-TO A	A
CHANGED BY	Rabea Richter	**DATE**	2022.02.24		
DRAWING NO.	445244632				

2. DRAWING





Tolerance: ±0.5mm

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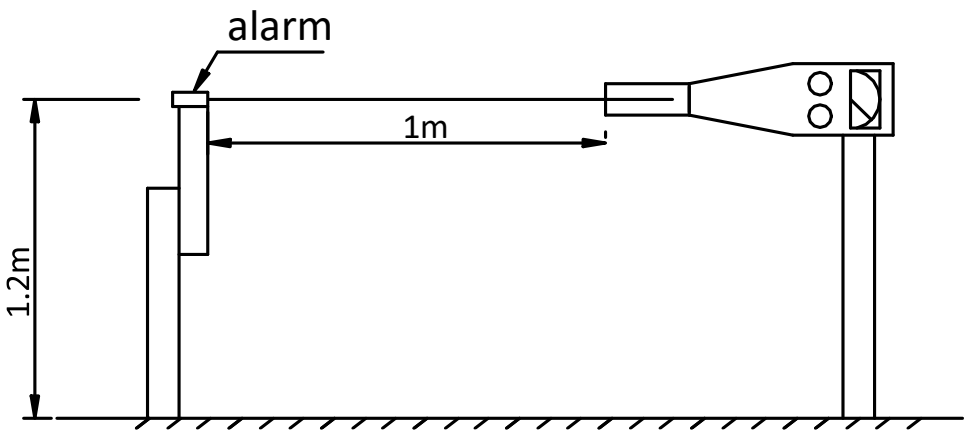
3. TEST METHOD

The alarm is located in a free field or an equivalent fully anechoic room. The microphone is directed toward the alarm sound output opening along the zero-degree axis and at the distance specified by the test requirement.



4. RELIABILITY TEST

4.1 High Temperature Test

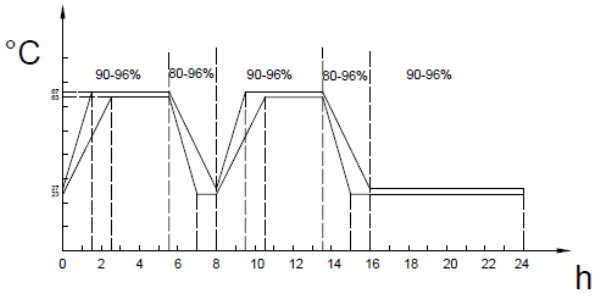
Temperature	+85°C
Duration	96 hours

4.2 Low Temperature Test

Temperature	-40°C
Duration	24 hours

4.3 Humidity Test

Relative Humidity	90~95%
Duration	240 hours



Notice: All specification must be satisfied in this condition

4.4 Life Test in Normal Temperature

Power Supply	24 VDC
Duration	96 hours

All these tests above should be measured after leaving normal temperature for 2 hours.

4.5 Vibration Test

Vibration Frequency	10~25Hz
Amplitude	1,2mm
Acceleration	30 m/s²
Sweeping frequency speed	1 oct/min
Duration	8 hours each three axis

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5. PACKING

TBD

6. HISTORY CHANGE RECORD

REV	CHANGE ITEMS		DATE
	BEFORE CHANGE	AFTER CHANGE	
A		Update Drawing	2022.02.24

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