

# PETER SMALL -VO

## BACKUP ALARM

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### 1. SPECIFICATIONS

Parameter	Unit	Conditions / Description	MIN	TYP	MAX
Operating Temperature	°C		-40		+85
Storage Temperature	°C		-40		+85
Weight	g		150	170	190
Packaging				BOX	
Housing Colour				BLACK	
IP Rating	IP			67	
ESD conform				NO	
RoHS conform				YES	
Operating Voltage	V		8		28
Rated Voltage	V			12/24	
Tone		Pulsed 2kHz 1/3 octave filtered white noise			
Maximum SPL	dB(A)	In 1m distance for High SPL mode *)	89	92	95
Standard Cycle Timing		On 100ms / Off 350ms / On 1.000ms / Off 1.900ms **)			
Current Consumption	mA				200

**Remark:**

\*) SPL medium and low levels can be adjusted according to customer requirements

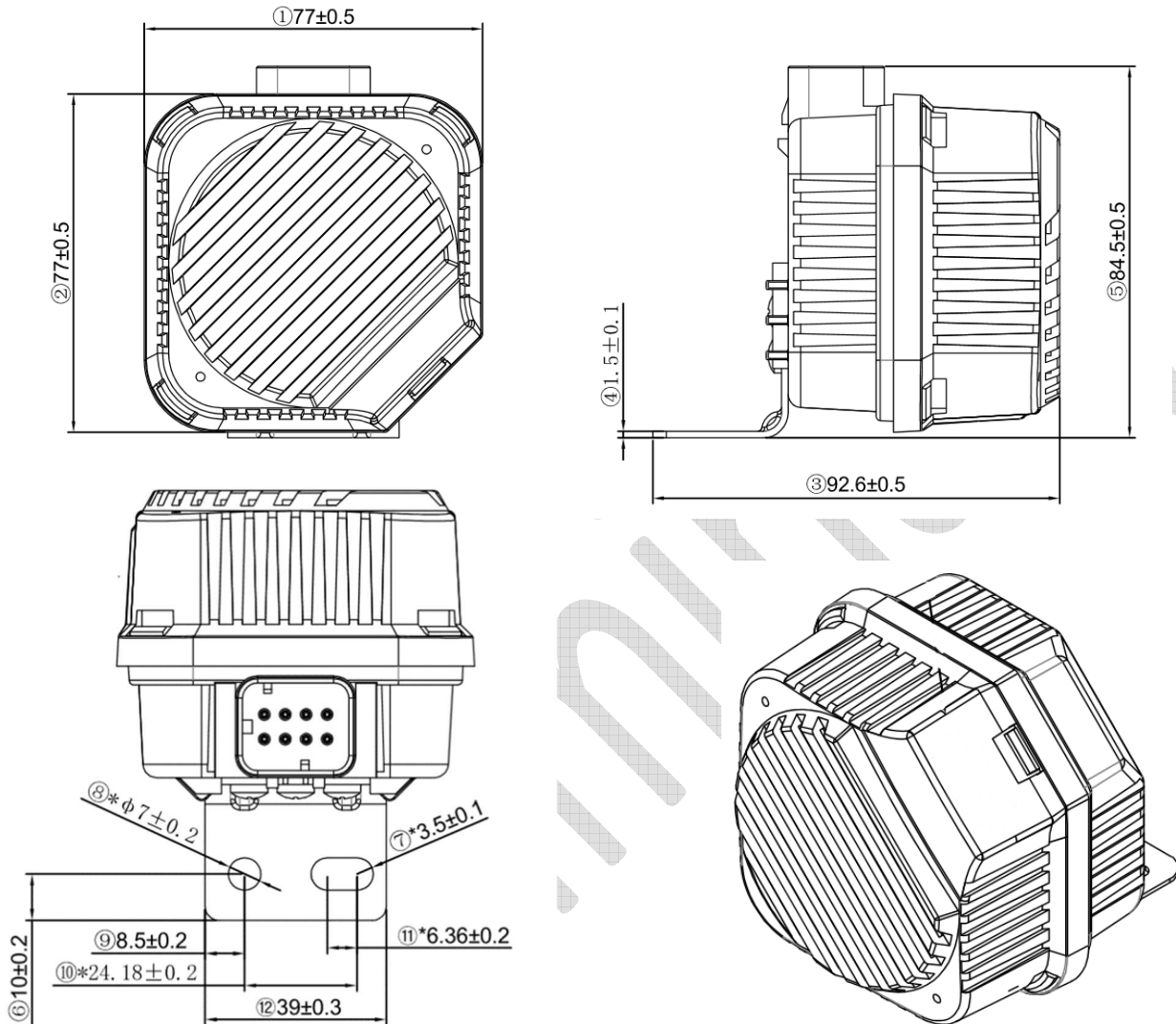
\*\*) Standard cycle timing can be adjusted according to customer requirements.

DESIGNED BY	Rabea Richter	DATE	2019.06.21	PART NO.	PETER SMALL –VO	INDEX	VO
RELEASED BY	Christopher Pagel	DATE	2019.06.21				
CHANGED BY		DATE					
DRAWING NO.	436374240						

## PETER SMALL -V0

BACKUP ALARM

### 2. DRAWING



### CONNECTOR PIN ASSIGNMENT AMP174984-2

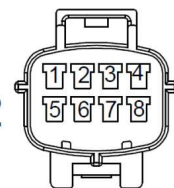
No.	Function
1	12/24VDC Medium SPL
2	GND
3	N/A
4	N/A
5	N/A
6	N/A
7	12/24VDC High SPL*
8	12/24VDC Low SPL**

\*High SPL = Apply rated voltage to Pin 1 & Pin 7

\*\*Low SPL = Apply rated voltage to Pin 1 & Pin 8

1  
—  
2:1

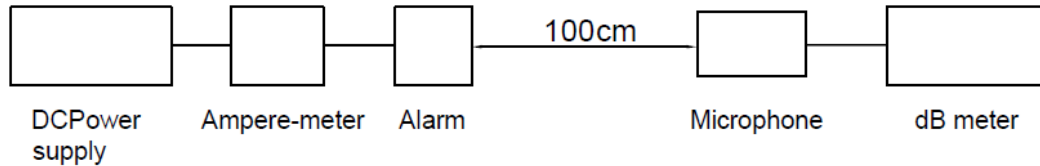
AMP174984-2



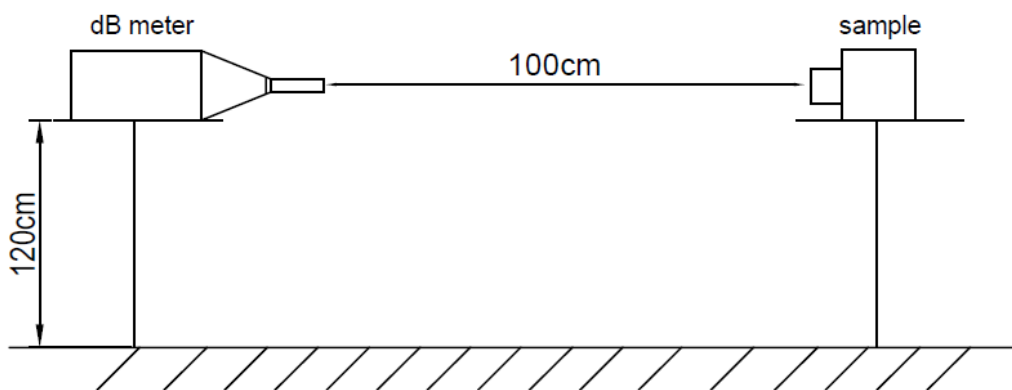
Tolerance: ±0.5mm

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### 3. TEST METHOD



In the measuring test, the alarm are placed as follows:



### 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 90~96%  
Duration 240 hours

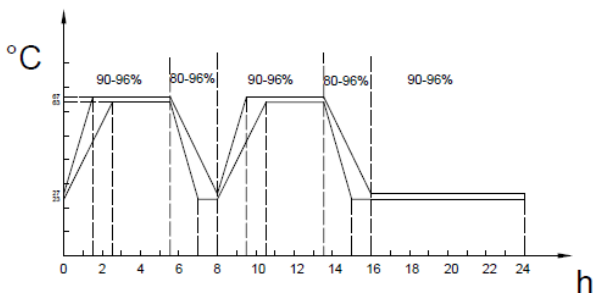
#### 4.4 Life Test in Normal Temperature

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/s<sup>2</sup>  
Sweeping frequency speed 1 oct/min  
Duration 8 hours each three axis



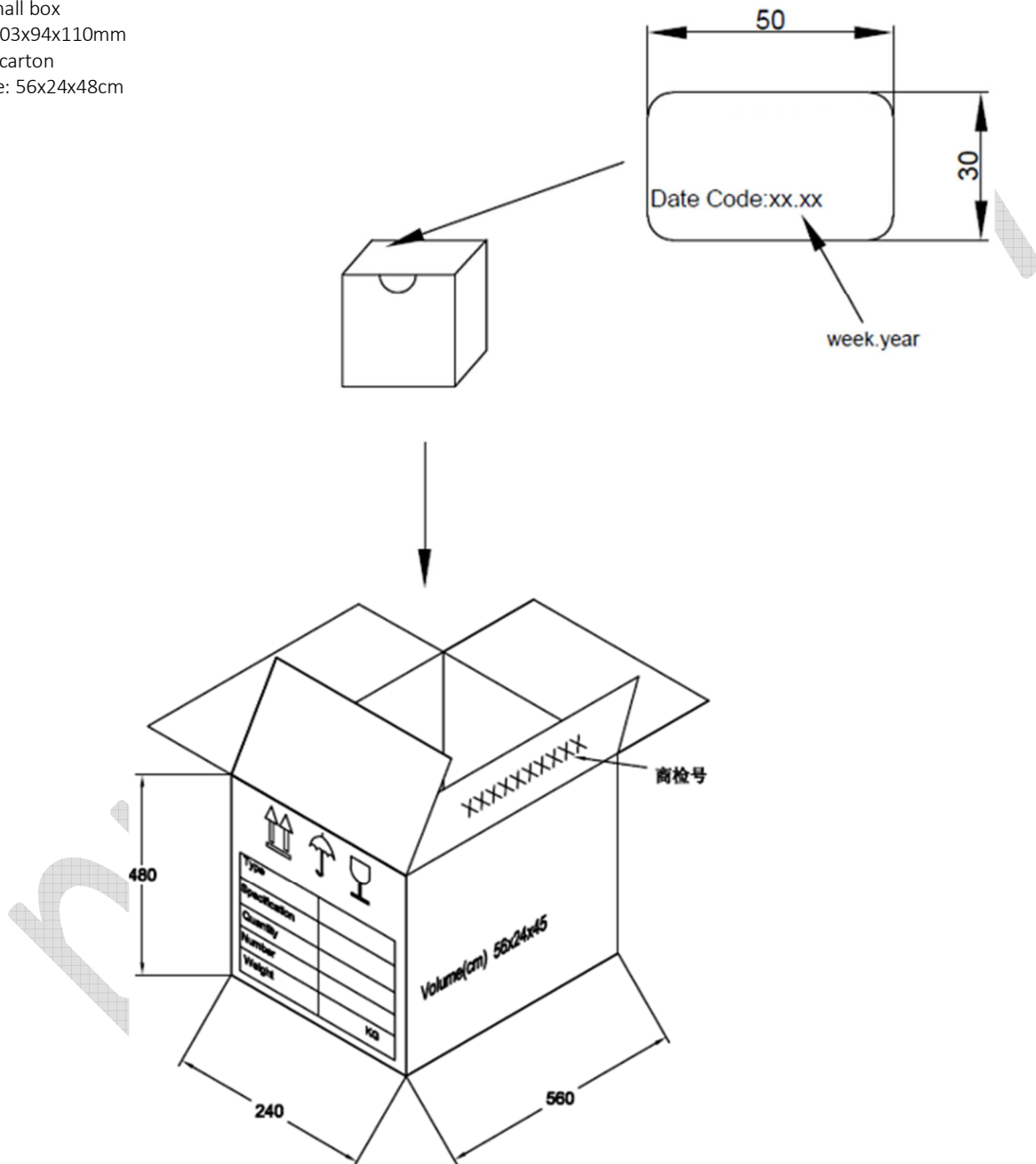
**Notice:** All specification must be satisfied in this condition

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### 5. PACKING

PACKING QUANTITY:

1pc per small box  
 Box size: 103x94x110mm  
 50pcs per carton  
 Carton size: 56x24x48cm



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