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ISO 9001:2008Certified

PRODUCT INFORMATION

PART # **CI103SW-2400-N2** **Revision: 1-2019**

BACKUP ALARM

DESCRIPTION

Challenge Electronics **I**ndicator; **103**.5 Length; **S**peaker Assembly; **W**ire Termination; **24** Vdc Maximum Voltage; Multi-Frequency**(00)**; White **N**oise Tone; Version **1**

FEATURES

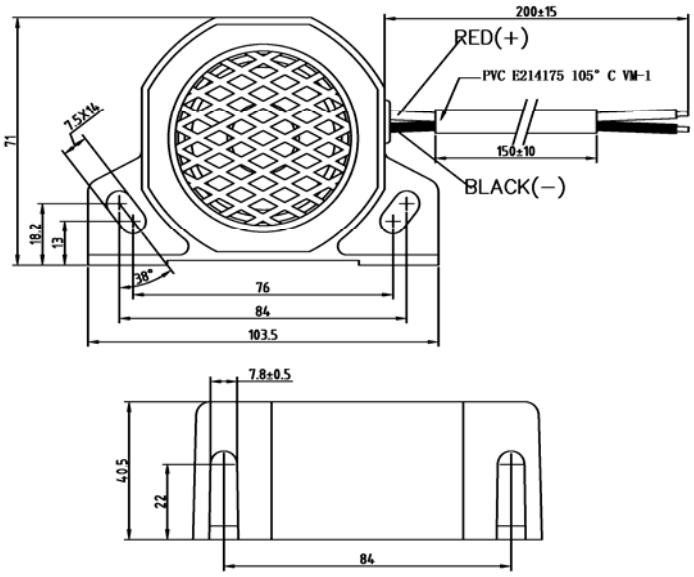
- Flame Retardant Plastic
- RoHS, Lead Free REACH (SVHC) Compliant
- ISO 9001 Certified
- SAE J994 Type C

SPECIFICATIONS

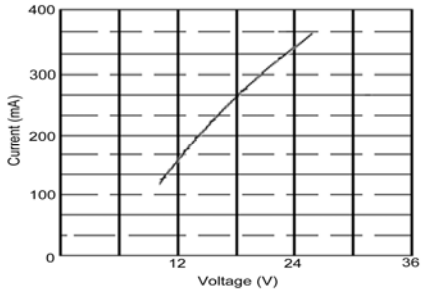
Alarm Type	White Noise Tone	Sound Frequency	-	Cycle Rate	1.47 ± 10% Cycles per Second		
Operating Voltage	12 - 24 Vdc	Rated Voltage	14 Vdc				
Sound Pressure Level	Minimum 97 ± 4 dB(A) at 4 ft.						
Operating Current	Maximum 600 mA						
Operating Temperature	-40ºC to +85ºC	Storage Temperature	-40ºC to +85ºC				
Material – Housing	Nylon	Sound Port Opening	Side				
Material – Termination	Wire Leads						
Physical Dimensions	Length (L)	103.5 mm	Width (W)	40.5 mm	Height	71 mm	Mounting Screws Spacing	76 - 84 mm
Approximate Weight	320 grams ± 10%	Removable Washing Label	No	Compliance	RoHS, Lead Free, and REACH (SVHC)		
Options							
Warranty	For a period of one (1) year from date of shipping under normal operations conditions This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair						

DIMENSIONS

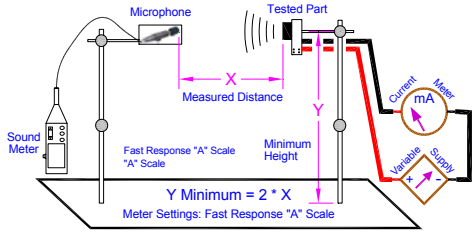
Units in: mm Tolerance: ± 1.0 mm



Current vs. Input Voltage Response



TEST SETUP



X = 4 ft. (~122 cm)

SUBSTANCE OF VERY HIGH CONCERN (REACH) and RoHS LEAD FREE COMPLIANCE

This product does NOT contain any of the REACH Substances of Very High Concern (SVHC), and complies with European Union REACH Regulation No.1907/2006 regarding chemical substances that must be registered and disclosed

Lead (Pb) / Lead Compounds	≤1,000 ppm	**≤ 10,000 ppm**	**Poly Brominated Diphenyl Ethers (PBDE)**	≤1,000 ppm	**In compliance**
Mercury (Hg) / Mercury Compounds	≤1,000 ppm	**In compliance**	**Bis (2-Ethylhexyl) Phthalate (DEHP)**	≤1,000 ppm	**In compliance**
Cadmium (Cd) / Cadmium Compounds	≤ 100 ppm	**In compliance**	**Butyl Benzyl Phthalate (BBP)**	≤1,000 ppm	**In compliance**
Hexavalent Chromium (Cr_{VI})	≤1,000 ppm	**In compliance**	**Dibutyl Phthalate (DBP)**	≤1,000 ppm	**In compliance**

In Challenge Electronics role as Supplier, we have taken the necessary steps towards our China Manufacturing in order to get a written confirmation about their knowledge of the Regulation and their analysis of the impact on their company

Revision	Description	By	Date
0-2018	Initial Specification Sheet	JL	2018-06-18
1-2019	Added SAE J994 Type C to Features	JL	2019-03-04

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