
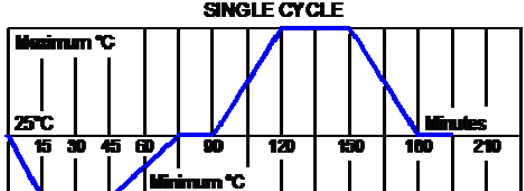




PRODUCT INFORMATION

Part #: **CE-WM550AVSV**

Revision: 3-2012

DESCRIPTION		FEATURES				
Challenge Electronics WARBLE Tone, MEDIUM Loud, 15 to 50 Vac/dc, A style case Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of 98 dB(A) at 50 Vac at 61 cm, 2,900 Hz. Output Frequency, S two 0.25" (6.4 mm) Blades with M3 0.25" (6.4 mm) long Stainless Steel Screws termination, Very Fast Rate 10 cycles per second, Piezoelectric Alarm with a mechanical Volume Control, RoHS Compliant		<ul style="list-style-type: none"> ◆ Reliable Solid State Piezoelectric Technology ◆ Corrosion resistant Stainless Steel Diaphragm ◆ Flame Retardant Plastic ◆ Extended storage temperature ◆ Hermetically Sealed Alarm ◆ Water Proof, NEMA 3R, 4X, or 12 with Gasket (not supplied) ◆ RoHS, Lead Free Compliance ◆ ISO 9001 Certified 				
SPECIFICATIONS						
Operating Mode Medium Loud, Very Fast Warble Tone Operating Voltage 15 to 50 Vac/dc Operating Frequency Center Frequency 2,900 ± 250 Hz.; cycles approximately ± 300 Hz. From Center Frequency Typical Loudness At Minimum Voltage 90 ± 5 dB(A), at 15 Vac, 24 inches (61 cm), 25°C At Maximum Voltage 98 ± 3 dB(A), at 50 Vac, 24 inches (61 cm), 25°C Volume Control Maximum Sound Pressure Level can be restricted up to 20 dB from maximum output. (Note, The Volume Control Rotor may reduce maximum loudness) To install, simply, push the ROTOR onto the front of alarm until it snapped in place To attenuate sound, while alarm is turned on, rotate the ROTOR until maximum desired sound is achieved Typical Operating Current At Minimum Voltage 15 mA at 15 Vac At Maximum Voltage 25 mA at 50 Vac Operating Temperature -30°C to +65°C Storage Temperature -40°C to +105°C Surge Voltage 20% over maximum Operating Voltage for less than 5 minutes						
Materials	Alarm Case	Plastic, "A" Case, NORYL™, PX9406 or equal, flame retardant UL 94-V0, Black				
	Diaphragm	Stainless Steel 304				
	Encapsulation	Two parts epoxy resign or silicone potting, Black				
	Termination	Two, 0.25 (6.4 mm) Quick Connect Blades, 0.032Ø (0.8Ø mm) Wide, Brass, Electro-Tin plated With M3 0.25" (6.4 mm) long Stainless Steel Screws.				
Physical Dimensions	Length or Diameter (L /D)	1.46" (37.1 mm) Ø	Width (W)		Height (H)	1.46" (37.1 mm)
Approximate Weight	39 grams	Removable Washing Label	No	Compliance	RoHS	
Available Options						
RELIABILITY						
Thermal Operating Temperature Test	240 hours continuous operation at Rated Power, at Maximum Rated Operating Temperature *					
	240 hours continuous operation at Rated Power, at Minimum Rated Operating Temperature *					
Thermal Storage Temperature Test	96 hours storage at Maximum Rated Storage Temperatures *					
	96 hours storage at Minimum Rated Storage Temperatures *					
Thermal Shock Test	5 cycles of Minimum and Maximum Operating Temperature Each cycle shall be set per diagram below and is 3 hours long *					
Humidity Test	120 Hours at +60°C±2°C. 90-95% RH *					
Salt Spray	Withstand exposure to salt spray per ASTM B117 for a period of 300 hours *					
Water & Dust Exposure	Withstands water submergence and dust exposure per IP-68 *					
Vibration Test	2 Hours at 1.5 mm with 10 to 55 Hz. of vibration frequency to each of 3 perpendicular direction *					
Drop Test	Dropped naturally from 1 meter height onto the surface of 10mm wooden board, 2 directions upper and side of the part are applied *					
Termination Strength	Maximum of 15 pounds (6.8 Kg) load pull test and of 4 lb. per inch driving torque on screw					
* Reliability Test Performance	Parts should conform to original performance within ±3dB, after 3 hours of recovery and dry period					
Life Test	Intermittent	1,000 hours of a 1 minute on 4 minutes off cycle at room temperature and maximum rated voltage				
	Continuous	250 hours continuous operation at maximum rated Voltage and maximum Operating Temperatures				
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					

