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PRODUCT INFORMATION

PART # CE-HM630AVWM

Revision: 0-2009

DESCRIPTION:

The **CE-HM630AVWM** is a FAST CHIME Tone, MEDIUM Loud, 6 to 30 Vdc Piezoelectric alarm with a mechanical Volume Control. Panel Mounted with a plastic ring nut. Terminated with two 24 (7X32) AWG, Stranded wires, color coded.

FEATURES:

- ◆ **Reliable Solid State Piezoelectric Technology.**
- ◆ **Corrosion resistant Stainless Steel Diaphragm.**
- ◆ **Lead Free, RoHS Compliance.**
- ◆ **EMC/EMI/EMS/RF Compliance.**
- ◆ **Flame Retardant Plastic.**
- ◆ **Water Proof, NEMA 3R, 4X, or 12 with Gasket** (not supplied) any case A, B, or K.
- ◆ **Extended storage temperature.**
- ◆ **Hermetically Sealed Alarm.**
- ◆ **ISO 9001 Certified.**

SPECIFICATIONS:

Operating Mode:	Medium Loud, Chime Tone.		Chime Rate:	2±10% Cycles per Second.
Operating Voltage:	6 to 30 Vdc.		Nominal Operating Voltage:	24 Vdc
Operating Frequency:	2900±250 Hz.			
Typical Loudness:	At Minimum Voltage:	70±5dB(A), at 6 Vdc, at 24 inches (61cm), at 25°C.		
	At Maximum Voltage:	95±3dB(A), at 30 Vdc, at 24 inches (61cm), at 25°C.		
Typical Operating Current:	At Minimum Voltage:	10 mA at 6 Vdc.	At Maximum Voltage:	30 mA at 30 Vdc.
	Operating Temperature:	-30°C to +65°C.	Storage Temperature:	-40°C to +100°C.
Surge Voltage:	20% over maximum rated voltage for less than 5 minutes.			
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 snapped. To attenuate sound , while alarm is on rotate the ROTOR until maximum desired sound is achieved.			
Termination :	Description:	24 (7X32) AWG, Stranded, copper wires, UL 1007/1569, 105°C, 600 V, 3.0 inches (76.2mm) Long, Struck 0.236 (6.0mm) (insulation remains on wire), Color Coded Red—Positive, Black – Negative.		
	Termination Strength:	Maximum of 15 pounds (6.8 Kg) load pull test.		
Construction Materials:	Case:	Panel mounted, A Case, plastic, NORYL™, PX9406 or equal, flame retardant UL 94-V0, Black.		
	Diaphragm:	Stainless Steel 304.		
	Encapsulation:	2 parts epoxy resin or silicone potting, Black.		
Weight (Approximately)	35 gr.	Color:	Black	
Reliability:	Thermal Operating Cycle Test:	250 hours continuous operation each at minimum & maximum rated Operating Temperatures.		
	Thermal Storage Cycle Test:	250 hours continuous operation each at minimum & maximum rated Storage Temperatures.		
	Thermal Shock Test:	Put in minimum operating temperature for 1 hour than move to +20°C for 5 min. than at maximum operating temperature for 1 hour. than back to +20°C 5 min. Repeat for 5 cycles.		
	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 with no decrease in sound output.		
	Vibration Test:	2 Hours at 1.5mm with 10 to 50Hz. Of vibration frequency to each of 3 perpendicular direction.		
	Drop Test:	Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions— upper and side of the part are applied.		
	Life Test:	250 hours continuous operation each at minimum & maximum rated Operating Temperatures.		
	Life Expectancy:	Ten (10) years under normal operating conditions.		
Warranty:	For a period of one (1) year from date of manufacture under normal operating conditions.			

