



# PRODUCT INFORMATION

Part #: **CE-HM630AVSS**

Revision: 3-2012



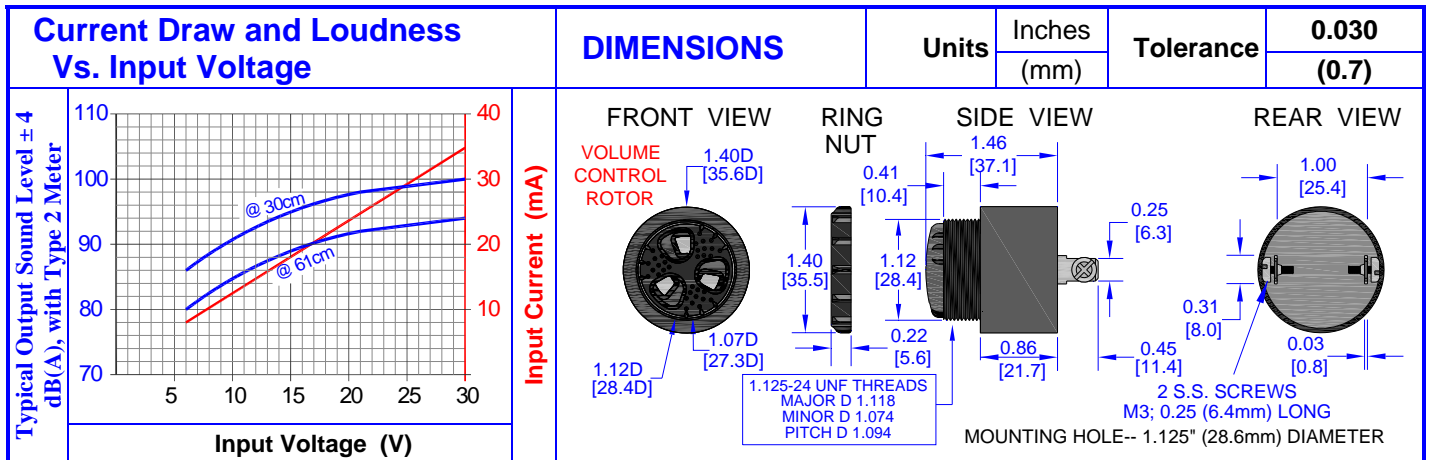
| DESCRIPTION  | FEATURES   |
|--|--|
| <p><b>Challenge Electronics CHIME Tone, MEDIUM Loud, 6 to 30 Vdc, A style case Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of 96 dB(A) at 30 Vdc at 61 cm, 2,900 Hz. Output Frequency, S two 0.25" (6.4 mm) Blades with M3 0.25" (6.4 mm) long Stainless Steel Screws termination, Slow Rate 1 pulse per second, Piezoelectric Alarm with a mechanical Volume Control, RoHS Compliant</b></p> | <ul style="list-style-type: none"> <li>◆ Reliable Solid State Piezoelectric Technology</li> <li>◆ Corrosion resistant Stainless Steel Diaphragm</li> <li>◆ Flame Retardant Plastic</li> <li>◆ Extended storage temperature</li> <li>◆ Hermetically Sealed Alarm</li> <li>◆ Water Proof, NEMA 3R, 4X, or 12 with Gasket (not supplied)</li> <li>◆ RoHS, Lead Free Compliance</li> <li>◆ ISO 9001 Certified</li> </ul> |

| SPECIFICATIONS            |  |
|---------------------------|--|
| Operating Mode            | Medium Loud, Slow Intermittent Tone  |
| Operating Voltage         | 6 to 30 Vdc  |
| Operating Frequency       | 2,900 ± 250 Hz.  |
| Typical Loudness          | At Minimum Voltage   |
|                           | At Maximum Voltage   |
| 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)<br>To install, simply, push the ROTOR onto the front of alarm until it snapped in place<br>To attenuate sound, while alarm is turned on, rotate the ROTOR until maximum desired sound is achieved |
| Typical Operating Current | At Minimum Voltage   |
| Operating Temperature     | -30°C to +65°C   |
| Surge Voltage             | 20% over maximum Operating Voltage for less than 5 minutes   |
| Materials                 | Alarm Case   |
|                           | Diaphragm  |
|                           | Encapsulation  |
|                           | Termination  |
| Physical Dimensions       | Length or Diameter (L/D)   |
| Approximate Weight        | 39 grams   |
| Available Options         |  |

| RELIABILITY                        |   |
|------------------------------------|---|
| Thermal Operating Temperature Test | 240 hours continuous operation at Rated Power, at Maximum Rated Operating Temperature * |
| Thermal Storage Temperature Test   | 96 hours storage at Maximum Rated Storage Temperatures *                                |
| Thermal Shock Test                 | 96 hours storage at Minimum Rated Storage Temperatures *                                |

|                    |  |  |
|--------------------|--|--|
| Thermal Shock Test | <p>5 cycles of Minimum and Maximum Operating Temperature<br/>Each cycle shall be set per diagram below and is 3 hours long *</p> | <p><b>SINGLE CYCLE</b></p> <p>The graph shows a temperature profile over 210 minutes. It starts at 25°C, drops to a minimum temperature, then rises to a maximum temperature, and finally returns to 25°C. The total duration of the cycle is 120 minutes.</p> |
|--------------------|--|--|

|                                |  |
|--------------------------------|--|
| 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   |
|                                | Continuous   |
| Warranty                       | For a period of one (1) year from date of shipping under normal operations conditions<br>This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair |



| PACKAGING   |              | MARKING                |                     | TRAY  |         |
|-------------|--------------|------------------------|---------------------|-------|---------|
| ONE TRAY:   | TWO BUNDLE   | Bundle                 |                     | X1    | 34.7 cm |
|             |              | Customer PN            | Dimensions          | Y1    | 34.7 cm |
|             |              | Other PN if required   |                     | Z1    | 21.2 cm |
| ONE BUNDLE: | SHIPPING BOX | Quantity               | Quantity            | 42    |         |
|             |              | Lot and/or Date Code   | <b>BUNDLE</b>       |       |         |
| TOP COVER   |              | Bundle Number          |                     | X2    | cm      |
|             |              | Shipping Box           | Dimensions          | Y2    | cm      |
|             |              | Customer Part Number   |                     | Z2    | cm      |
|             |              | Other PN (if required) | Quantity            |       |         |
|             |              | Quantity               | <b>SHIPPING BOX</b> |       |         |
|             |              | Lot and/or Date Code   |                     | X3    | 35 cm   |
|             |              | PO Number              | Dimensions          | Y3    | 35 cm   |
|             |              | Net Weight             |                     | Z3    | 22.5 cm |
|             |              | Gross Weighjt          | Number of Bundles   | 1     |         |
|             |              | Box Number             | Quantity            | 250   |         |
|             |              | of Number of Boxes     | Approximate Weight  | 9 Kg. |         |
|             |              | Made in China          |                     |       |         |

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