MALLORY

MALLORY SONALERT PRODUCTS, INC.

# Environmental Durability APPLICATION Guide

## Environmental Tests - 30mm Alarms with Screw Terminals

| Test Name | Description of Test |
|---|---|
| Surge Voltage | 15% over maximum rated voltage applied for one minute. |
| Reverse Voltage | Maximum reverse polarity equal to rated voltage for one minute. |
| Intermittent RT Life | A duty cycle of 1 second on & 1 second off, for a minimum of 25,000 times at room temperature at maximum rated voltage. |
| Hot Life | 250 hours continuous operation at maximum rated operating temperature and maximum rated voltage. |
| Cold Life | 250 hours continuous operation at maximum rated operating temperature and minimum rated voltage. |
| Hot Storage | 250 hours at maximum rated hot storage temperature (no voltage applied) |
| Cold Storage | 250 hours at maximum rated cold storage temperature (no voltage applied). |
| Humidity | 95% relative humidity @ 40C for 100 hours (no voltage applied). |
| Vibration | 2 hours each in each of the 3 mutually perpendicular planes (6 hours total). Harmonic motion amplitude of 0.03 in with a uniform varying frequency between 10 and 55 Hz. No voltage applied. |
| Salt Spray | 96 hours in an atomized 5% salt spray solution at 35C (no voltage). Test not applicable to MSO, MSR, SBM, SNP, & VSB series. |
| Terminal Strength | 5 lbs applied axially for a period of 5 minutes. |

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