

**Mallory Sonalert Products, Inc.**Part #: **SBW12THPC****Sales Outline Drawing**Revision: **A**

| Specifications:               | Designed and tested to IEC60601-1-8 AMD2:2020   |                                                     |                                                     |                                                                  |
|-------------------------------|-------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------|
|                               | Temperature/energy delivery Auditory Icon       |                                                     |                                                     |                                                                  |
| Sound Level Category:         | Silence                                         | Loud                                                | Loud                                                | Extra Loud                                                       |
| Mode of Operation:            | Silence - NO SOUND                              | Continuous                                          | Slow Pulse @ 1PPS                                   | High Priority Alarm - HP-temperature.wav repeating every 2.5 sec |
| Loudness @ 10cm:              | Silence                                         | 85 to 95 dB(A) Typ.                                 | 85 to 95 dB(A) Typ.                                 | 95 to 105 dB(A)                                                  |
| Frequency:                    | Silence                                         | 150 to 4000 Hz                                      | 2500 ± 300 Hz                                       | 150 to 4000 Hz                                                   |
| Connection:                   | Connect "+" to "+" & "-" to "-" of Power Supply | Connect "+" to "+" & "-" & L to "-" of Power Supply | Connect "+" to "+" & "-" & M to "-" of Power Supply | Connect "+" to "+" & "-" & H to "-" of Power Supply              |
| Voltage Rating:               | 9 to 12 VDC                                     |                                                     |                                                     |                                                                  |
| Average Current Draw:         | <10mA                                           | <300mA Typ.                                         | <300mA Typ.                                         | <300mA Typ.                                                      |
| Ipk Current*:                 | 400mA                                           |                                                     |                                                     |                                                                  |
| Housing Material:             | ABS 777D Plastic Resin, Black                   |                                                     |                                                     |                                                                  |
| Storage Temperature:          | -40° to +85° C                                  |                                                     |                                                     |                                                                  |
| Operating Temperature:        | -30° to +65° C                                  |                                                     |                                                     |                                                                  |
| Weight Typical:               | 1.1 oz (32g)                                    |                                                     |                                                     |                                                                  |
| Options:                      | Please contact factory.                         |                                                     |                                                     |                                                                  |
| Condition by wave solder (°C) | 260 ± 5 within 5 sec                            |                                                     |                                                     |                                                                  |
| Condition by hand solder (°C) | 350 ± 20 within 5 sec                           |                                                     |                                                     |                                                                  |

**Dimensions:** Inches [mm]**ROHS Compliant**

PATENT NUMBER: 7880593



**NOTE: Alarm functions at max dB. If a lower sound output is desired, add a 1/4 W resistor valued from 27kΩ down to a minimum 100Ω to achieve the desired sound level output. PIN OUT is R - + H M L R.**

\*Ipk = Instantaneous Peak

tolerances: ±0.01 [±0.3]  
±0.005 [±0.1]