

MALLORY

MALLORY SONALERT PRODUCTS, INC.



IEC 60601-1-8 AMD2 (2020) Medical Applications



IEC 60601-1-8 governs how audible alarms are used in **medical** equipment. The most up-to-date specification is now **IEC 60601-1-8 AMD2 (2020)**. The main change in this new specification is that AMD2 (2020) removes the melody tones (Annex F) from the previous version and adds sound file **melodies** to use instead. IEC 60601-1-8 AMD2 (2020) does allow for all previous general medical tones to continue to be used.

To get ready for this new specification, Mallory submitted all of our currently approved general tone medical alarms to UL to test against IEC 60601-1-8 AMD2 (2020), and all [MSS series](#), [SBS series](#), & [SBT series](#) alarms passed testing.



Mallory's MSS Series is 23 mm x 13 mm, and produces 90 dB @ 10 cm @ 3 to 5 Vdc

So, if you are currently using a Mallory medical alarm which issues a general tone, this same model will meet the new IEC 60601-1-8 AMD2 (2020). If you have any questions, you can consult Mallory's [UL On-line Listing](#) or [contact Mallory](#) directly.

The SBS Series is 45 mm in diameter and produces 100 dB @ 10 cm @ 12 Vdc. The SBT Series is also 45 mm in diameter, but utilizes a piezoelectric transducer to reduce the current to very low levels. SBT models produce 90 dB @ 10 cm @ 5 Vdc & 12 Vdc



NEW IEC 60601-1-8 AMD2 (2020) Medical Models:

UL has also approved Mallory's new series of 23 mm medical alarms (**MSW Series**) which utilize the sound files provided by IEC. These models are listed on Mallory's [UL On-line Listing](#), and will be fully introduced to the market very soon. In the mean-time, **samples** are available [upon request](#).



Mallory's **Medical Alarms** are UL approved to IEC 60601-1-8 AMD1 & AMD2 (2020), and are produced at Mallory's manufacturing plant in Indianapolis, Indiana.

Applications are Finding 30 mm Stacklights Extremely Useful



Mallory's 30mm industrial [Stacklights](#) (AKA Tower Lights) are being utilized in a growing number of **semi-automatic** applications. These applications value the ability to know at a glance (or within hearing distance) that the **machine** is stopped (**red**), paused (**yellow**), or running (**green**). Quickly attending paused or stopped equipment saves time and frustration for the user which adds important **value** to the equipment on which the Stacklight is mounted. These low cost

Stacklights are available with **sound** or **light only**, with a **4" pole** or **direct mount**, and voltages of **12 Vdc** or **24 Vac/dc**. Each light stack and the sound are controlled **independently**, so the equipment has total control of the Stacklight operation. Seven **different** sound options are available including 5 new sounds such as a unique [chime tone](#).



These industrial Stacklights are [UL approved](#) and [CUL approved](#) and are rated for indoor use (NEMA 12; IP-52).

Applications Finding Mallory's 30 mm Stacklights Useful:

3D Printers

Scientific Equip.

Lab Equip.

Robotic Machines

Inspection Equip.

Label Machines

Machine Tooling

Medical Equipment

Packaging Equip.

Food Machinery

Printing Machines

Assembly Equip.

Flow Control Equip.

Pharmaceutical Equip.

Industrial Control



Mallory's 30mm industrial **Stacklights** are UL & CUL approved. They will last for the life of the machine and have lead-times of Stock to 4 weeks.