

MALLORY

MALLORY SONALERT PRODUCTS, INC.



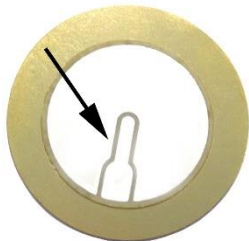
Mallory's SC Series of Panel Alarms- 56 Years of Excellence

What is Mallory's [SC Series of 30 mm Panel Alarms](#)? And, why do these models continue to **thrive** after 56 years? It is not often that an electronic product stays popular and relevant for over half-a-century, but Mallory SC Series was [introduced in 1968](#), and it is still one of the most popular choices for **industrial** alarms today.

The **SC Series** utilizes a plastic housing in which the threaded front fits through a 30 mm hole, and is secured to the equipment with the included knurled nut. These alarms are often **mounted** on the panel control box, but can be mounted anywhere on the machine. The back of the alarm is sealed with epoxy for **durability**, and most models have screw terminals, but flat-blade terminals, bare wires, and connector assemblies are also available.



SC Series alarms are used in various industrial, medical, & transportation applications



From a Mallory Patent, the key-hole pattern etched into the piezo's silver layer provides a feedback signal to the alarm's circuitry which is both a major performance improvement and cost savings.

The majority of models **operate** with just two terminals, emitting a sound when the rated voltage is applied and ceasing when the voltage is removed. The sound is generated by an internally mounted **piezoelectric** transducer (piezo) and controlled by an electronic circuit which is also inside the alarm. Unlike newer designs that rely on specialized IC's or microcontrollers, the SC Series utilizes standard electronic components which have a significant **lower** cost resulting in a competitive material cost advantage. Although construction of industrial alarms is labor intensive, Mallory continually develops and implements in-house specialized assembly equipment to improve productivity bringing about further cost **advantages**.

Performance is another key aspect. Mallory engineers have persistently **optimized** every facet of these alarms (acoustic, electronic, & assembly) resulting in the most efficient and versatile alarms available for just about every type of industrial application. To keep the SC Series **relevant** to changing market needs, Mallory engineering has over-seen several technological changes including moving from thru-hole components to **SMT**, RoHS, and ever-smaller SMT components including **0402** sizes.



In 4 years, models in the SC Series went from 3 circuit boards to 1 circuit board.

Quality is ingrained in Mallory's legacy. Mallory's SC Series was [implemented in 1968](#) by the P.R. Mallory Company which already had decades of **experience** designing high reliability capacitors used across a variety of industries including aerospace and the military. Mallory team members put this **knowledge** to good use in designing, verifying, and validating the SC Series models to very high environmental standards.

This **tradition** of quality has continued, and Mallory's alarms are known for their **durability** and often outlast the equipment they are installed into. Nearly all SC Series alarms are [UL](#) and [CUL](#) approved.

[Availability](#) is ensured through extensive **stock** and efficient **delivery**. The SC Series is manufactured in the **USA**, and is stocked by Mallory & its [distributors](#). **Technical** support further enhances the customer experience, with comprehensive resources [on-line](#), and a dedicated **staff** answering queries by [email](#) or [phone](#).

The **Mallory** SC Series of 30mm panel alarms **boasts** a vast selection of over 150 models to suit diverse requirements, covering various sound levels, voltage ranges, frequencies, and different sound types. For **specialized** needs beyond the SC Series, Mallory offers alternative alarm series tailored to specific applications:

- Mallory's [SCE series](#) utilizes the same 30 mm housing as the SC Series, but offers terminal block termination, and the microcontroller used in this design can pretty much generate any kind of sound needed.
- Mallory's [22 mm Alarms](#) & [22 mm Alarms + LED's](#) offer a compact package that fits into a 22 mm mounting hole. Both series remain the lowest cost and most versatile small industrial alarms in the world. These models can also generate any kind of sound needed.
- Mallory offers both [Hazardous](#) (Class I Div II, Groups A, B, C, & D) and [Military/Rugged](#) grade alarms for those applications which require a little extra performance and durability.
- Mallory's [30 mm Stacklights](#) are the lowest cost and most versatile small Stacklights in the industry. These models are so lightweight they can be mounted directly on top of the machine's panel box if desired. If these Stacklights are too small for the application, check out Mallory's [60 mm Stacklights](#).



While it may be uncommon for an electronic product to **thrive** for over five decades, the SC Series strives to meet the **evolving** demands of industrial applications. The relevance of these alarms stems from its cost, quality, performance, and availability to name a few. Another **advantage** not mentioned above is the many available **accessories** including a [manual volume shutter](#), [NEMA 4X](#) & [IP-67](#) gaskets, and an [external mounting bracket](#).



Mallory, an [ISO 9001:2015](#) company, has been **manufacturing** audible and visual alarms in the USA since [1968](#). With 12 active **patents**, Mallory is the **technology** leader in audible and visual alarm devices.