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MALLORY SONALERT PRODUCTS, INC.

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Made In The USA

30mm Panel Alarms with Terminal Block

Mallory's SC Series of 30mm panel alarms was introduced in the late 1960's, incorporating **screw terminals**. To enhance this strong legacy as the 21st century began, Mallory introduced the SCE Series. This series maintains the 30mm housing, but upgrades the termination to a finger-proof safe **terminal block**, also known as a Euro-terminal. Alongside this upgrade, the voltage ranges & sound levels are now **standardized**, and a broad array of sound options are available. To understand the SCE Series, it is useful to **study** the part number structure:

Part Number Structure

SCE 016 X D 3 CT B

Series: **SCE** = Solutions

Maximum Voltage
016 = 6-16 **028** = 16-28 **048** = 28-48 **120** = 48-120

Sound Level
X = Extra Loud (95 - 105 dB) **L** = Loud (85 - 95 dB)
M = Medium (75 - 85 dB) **S** = Soft (65 - 75 dB)

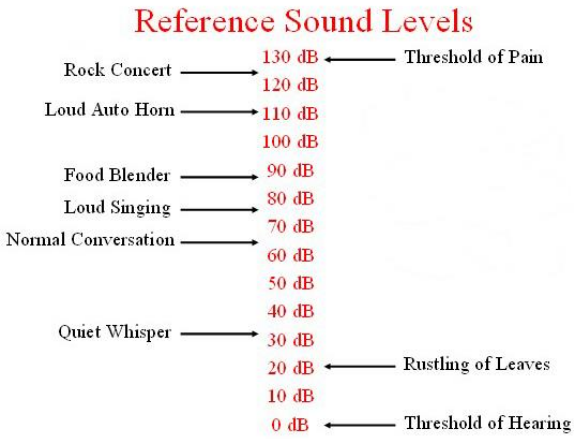
Voltage Type: **D** = DC Only **A** = AC or DC

Frequency: **3** = 2,500-3,500 Hz **2** = 1,500-2,500 Hz

Function:
CT = Constant Tone **SP1** = Slow Pulse **MP1** = Medium Pulse **FP1** = Fast Pulse
DP2 = Fast Double Beep **DP3** = Slow Double Beep **CK1** = Click Sound
PS1 = Short Beep **QP1** = Quick Beep **CM1** = Chime
SU1 = Slow Speed-Up Beep **SU2** = Fast Speed-Up Beep **DT7** = Fast Warble
DT8 = Slow Warble **SR3** = Fast Siren **SR4** = Slow Siren
DL1 = 10 Second On-Delay; Constant Tone
ED5 = 10 Second On-Delay; Fast Double Beep
SS1 = 1 Minute On-Time; Constant Tone
SD5 = 1 Minute On-Time; Fast Double Beep
SV1 = Increase Sound Level After 15 Seconds; Constant Tone
MG3 = Constant Tone; Slow Double Beep; Quick Beep, or Fast Warble
MG4 = Constant Tone; Slow Double Beep; Quick Beep, or Slow Warble
MG5 = Constant Tone; Slow Double Beep; Fast Warble; or Fast Siren

Termination:
B = Terminal Block **S** = Screw Terminal **F** = Flat Blade Terminal **W** = Wires

The first **noteworthy** aspect shown by the part number structure is the **standardized** arrangement of the **four** voltage levels and four sound levels without any overlap. This gives customers the confidence that the alarm will **energize** correctly and produce a sound level suitable for the application.



The second striking feature of this series is the 24 **distinct** sound types to choose from. Common options such as constant, slow pulse, and fast pulse tones are listed, but there are also several **unique** choices such as double-beep tones, speed-up tones, and the **time** related tones which offer additional versatility.

The double beep & speed-up tones aim to **capture** an operator's attention more effectively than standard beeping sounds. A double beep tone (DP2 & DP3) consists of two beeps in succession followed by a delay in between each set of beeps. A speed-up tone (SU1 & SU2) starts off slow with a single beeping sound, but the **beep rate** speeds up over time which generates a feeling of **urgency** for the operator. The SV1 sound, a constant tone that jumps the volume higher after 15 seconds, is another option designed to prompt action.

The **time** related tones target two different alarm conditions. The 10 second on-delay models (DL1 & ED5) wait 10 seconds after voltage application before issuing a warning sound. This option is useful for a machine fault condition which often **resolves** itself quickly. On the other hand, 1 minute on-time models (SS1 & SD5) activate immediately, but become **mute** after 1 minute. This option is beneficial for extended machine fault conditions so that those in the area don't have to listen to the warning sound longer than needed.

MG sound type models (MG3, MG4, & MG5) have four different sounds in a single part. This **multi-sound** option can be helpful when different warning sounds are needed to convey varying levels of urgency. For example, a **non-emergency** machine condition could activate the constant or slow double beep tone while a more **critical** situation would dictate a fast warble or siren sound. The specification sheet details how to activate each of the four sounds using the two control wires.

As for sound frequency, 3,000 Hz (3 kHz) is the **standard** choice while the 2 kHz option aids in distinguishing the warning sound from others in the area. In addition, lower frequency tones are more **audible** to older adults with diminished high-frequency hearing.

While the **terminal block** serves as the standard choice for SCE Series models, alternatives include screw terminals, flat blades, or wires. A fifth option is a **cable assembly**. Mallory, certified by UL & CUL for **Wiring Harness Assembly**, has a history of delivering a diverse range of connector assemblies with our panel alarms. Contact Mallory if a cable assembly is needed with the alarm.

Mallory's SCE Series of 30mm Panel Alarms with Terminal Block are **manufactured** in Indianapolis, Indiana with **lead-times** of stock to 4 weeks. They are UL & CUL approved, and 100% tested by Mallory to verify its performance meets Mallory's **high** standards.