

MALLORY



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DQS Inc.
Mallory Sonalert Products, Inc.



Made In The USA

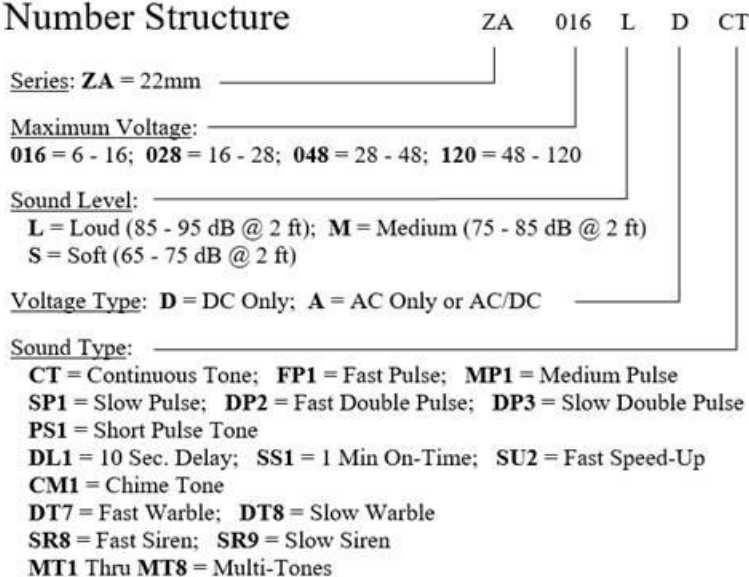
MALLORY SONALERT PRODUCTS, INC.

22mm Industrial Panel Alarms



Mallory's [22mm Industrial Panel Alarms](#) are truly **revolutionary**, having the **lowest** cost and **most options** of any similarly sized panel alarm. While there are literally only a handful of competitor model numbers available **world-wide**, Mallory offers **275**-part numbers which gives customers numerous choices to better match the alarm to the **application**. One way to understand Mallory's 22mm industrial panel alarm **capabilities** is to look at the part number structure:

Part Number Structure



Allowed Voltage Ranges: 6 - 16 Vdc; 16 - 28 Vdc; 16 - 28 Vac/dc; 28 - 48 Vac/dc; 48 - 120 Vac

There are 5 different **voltage ranges**, and the **sound level** of these devices has three options- loud, medium, & soft. A **loud** sound level is used for most **industrial** applications, but the medium and soft sound levels are appropriate for **less noisy** areas such as warehouses, restaurants, or an office environment.

The last feature to choose is the **sound type** which includes standard sounds such as a continuous or fast pulse tone, but also several very **unique** sounds are available:

- Fast Double Pulse Tone: 1 double beep every half second
- Slow Double Pulse Tone: 1 double beep every 2 seconds

- 10 Sec. Delay: Wait 10 seconds before issuing continuous tone
- 1 Min On-Time: Issue continuous tone for 1 minute and then turn off
- Fast Speed-Up: Over 30 sec's, speed up from 1 beep per 2 sec's to 8 beeps per sec
- Multi-Tone: Four different tones in one package. See the [PDF Literature](#) for a description of the four sounds used on the multi-tone models.

Environmental approvals include [UL](#) & [CUL](#), **NEMA** 4X, 3R, & 12, and **CSA** C22.2 No. 94. The **finger-proof** termination prevents shock & shorting, and **saves** assembly time and labor. With an operating temperature range of -30 ° C to + 70 ° C, these 22 mm panel alarms are rated for **indoor** use.

Mallory's 22mm panel alarm [parametric search](#) will help you find the model number needed for any **industrial** control application.



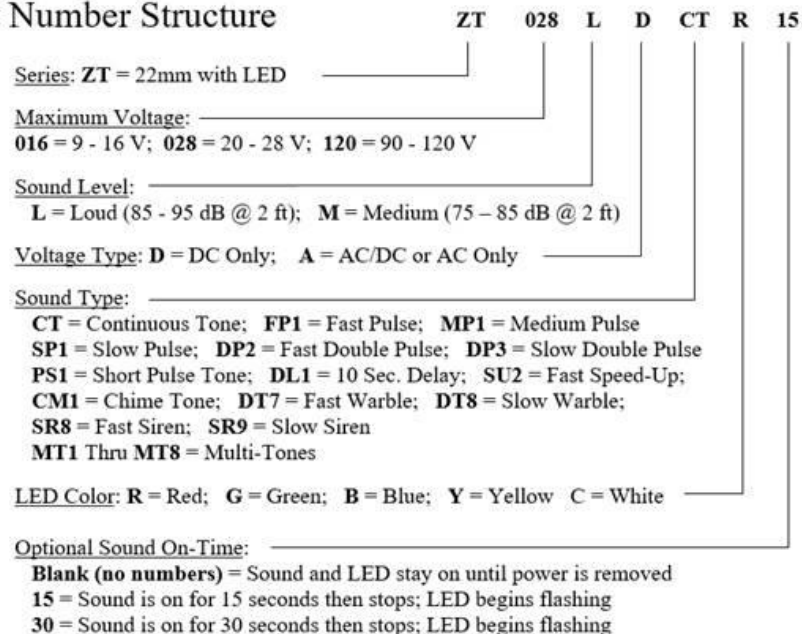
Mallory's 22mm Panel Alarm series is **made-in-the-USA**. Mallory, an [ISO 9001:2015](#) company, has been **manufacturing** audible and visual alarms for over [50 years](#). With 12 active **patents**, Mallory is the **technology** leader in audible and visual alarm devices.

Mallory's 22mm Panel Alarms + LED Light



If Mallory's 22mm panel alarms were not revolutionary enough, the ZT Series of [22mm Panel Alarms + Light](#) includes a **LED** light on the front end. These audible & visual panel indicators are the **lowest** cost and most **versatile** in the world. Like the 22mm panel alarms, examining the ZT part number structure helps to understand the **multitude** of features available:

Part Number Structure



Allowed Voltage Ranges: 9 - 16 Vdc; 20 - 28 Vdc; 20 - 28 Vac/dc; 90 - 120 Vac

After determining the voltage range, sound level, & sound type needed, there are **5 LED colors** to choose from. The final **option** is to add a sound on-time if needed. This feature is used for those applications where it is desired to **silence** the audible sound after 15 or 30 seconds while leaving the LED **flashing** so the operator knows that the machine issue is still present.

Most ZT models are configured where the alarm sound & LED light are **activated** simultaneously. For example, a continuous tone model has an LED which is also continuously lighted, and for a fast pulse tone model, the LED flashes at the same quick rate as the pulsing sound.

For those applications which require the audible alarm & LED to function **separately**, Mallory offers models which have a 4-position terminal block with two of them controlling the LED, and two of them controlling the sound. This means the sound & light are controlled **independently** of each other, and the machine has total control of the device's sound & light activation.

This true **2-in-1** panel indicator saves space on the control panel, saves installation time & cost, and can provide a material cost **savings** since only one audible & visual device is purchased rather than buying a separate panel alarm and panel light.



Independently Controlled LED or Sound			
Popular Part Numbers			
P/N	Voltage	Sound Type	LED Color
<u>ZT028LDIC1R</u>	6 to 28 Vdc	Continuous	Red
<u>ZT028LDIC2R</u>	6 to 28 Vdc	Fast Pulse	Red
<u>ZT028LDIC3R</u>	6 to 28 Vdc	Slow Pulse	Red
<u>ZT028LAIC1R</u>	6 to 28 Vac/dc	Continuous	Red
<u>ZT028LAIC3R</u>	6 to 28 Vac/dc	Slow Pulse	Red
<u>ZT028LDIC1G</u>	6 to 28 Vdc	Continuous	Green
<u>ZT028LAIC3B</u>	6 to 28 Vac/dc	Slow Pulse	Blue

Mallory's ZT series has the same environmental approvals as the 22mm alarm series including [UL](#) & [CUL](#), NEMA 4X, 3R, & 12, and CSA C22.2 No. 94.



Mallory ZT Series of **22mm Panel Alarm + LED Light** is made-in-the-USA. As an [ISO 9001:2015](#) company, Mallory and has the **broadest** line of audible and visual signaling devices in the industry, and has been the technology leader for over **50 years**.