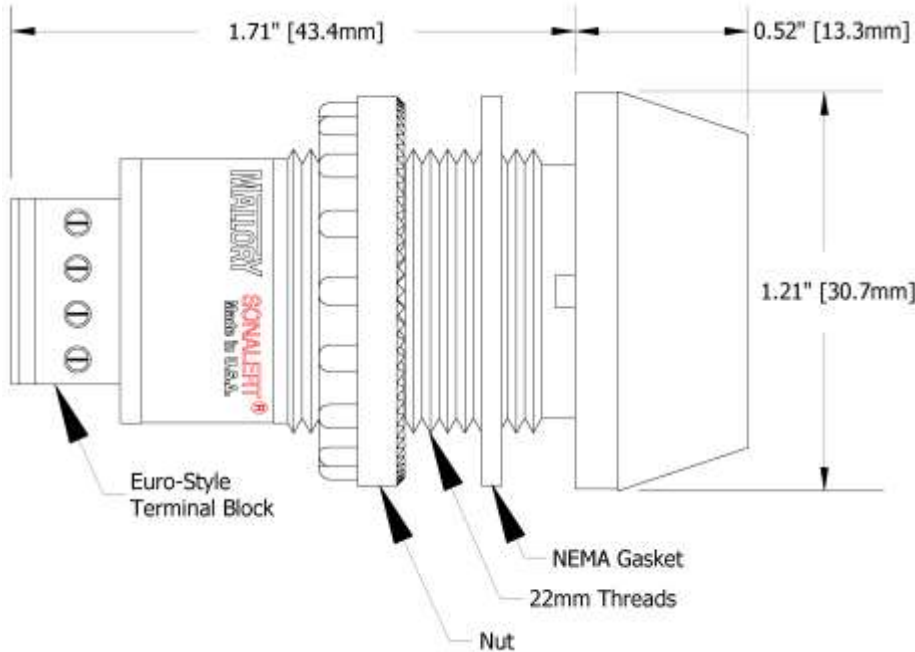


Product APPLICATION Guide

22mm Panel Alarms with Terminal Block

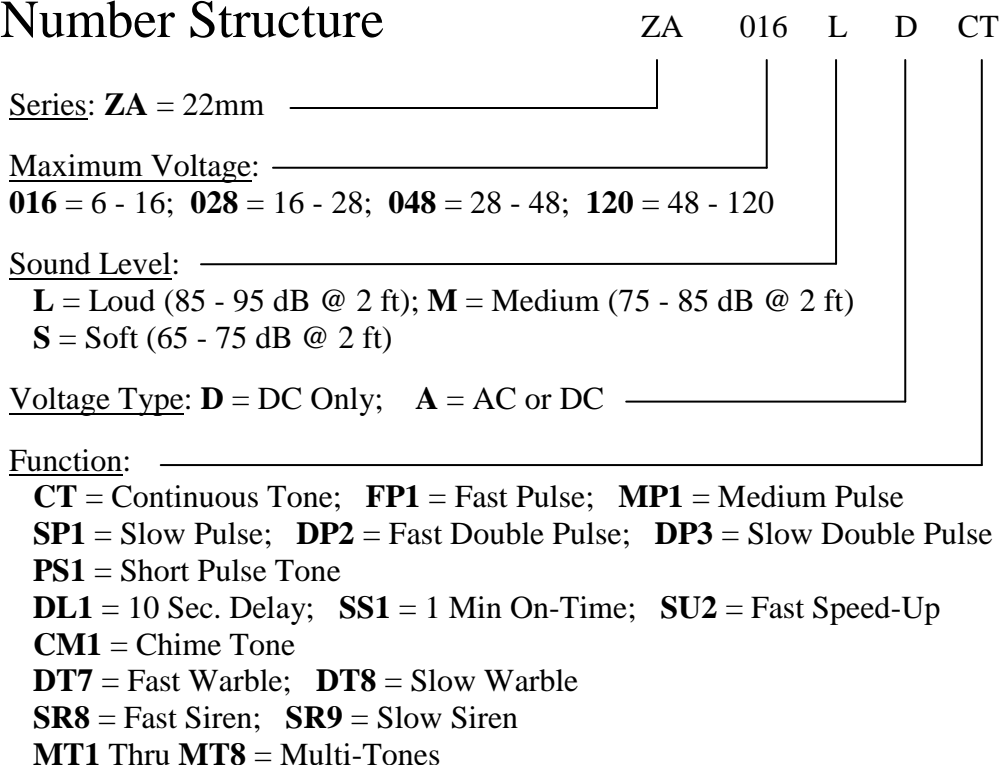


KEY FEATURES:

- Fits Standard 22mm Panel Hole
- Voltages from 6 Vdc to 120 Vac
- Sound Levels up to 95 dB @ 2 ft.
- cUL Approved; RoHS Compliant
- NEMA 3R/4X/12; IP-66
- CSA C22.2 No. 94
- Terminal Block Termination:
 - Finger Proof Safe Handling
 - Prevents Shock & Shorting
 - Saves Assembly Time & Labor

Continued →

Part Number Structure



Sound Descriptions

- Continuous Tone: Constant tone until voltage is removed
- Fast Pulse Tone: 10 pulses per second
- Medium Pulse Tone: 5 pulses per second
- Slow Pulse Tone: 1 pulse per second
- Fast Double Pulse Tone: 1 double beep every half second
- Slow Double Pulse Tone: 1 double beep every 2 seconds
- Short Pulse Tone: 1 beep per second (on for 0.1 sec / off for 0.9 sec)
- 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
- Chime Tone: Repeating chime sound at 1 chime every three seconds
- Fast Warble: Alternate between two frequencies at 7 warbles per second
- Slow Warble: Alternate between two frequencies at 1.5 warbles per second
- Fast Siren: Sweeping siren sound at 5 sweeps per second
- Slow Siren: Sweeping siren sound at 2 sweeps per second
- Multi-Tone: Four different tones in one package. See below table for list of sounds.

Continued

Selection Guides

Continuous & Pulsing Sound Selection Guide

		SOUND LEVEL (dB @ 2 feet)			Tone Type	
		Soft 65 to 75 dB	Medium 75 to 85 dB	Loud 85 to 95 dB		
VOLTAGE RANGE	DC Only	6 to 16 Vdc	ZA016SDCT	ZA016MDCT	ZA016LDCT	Continuous
			ZA016SDFP1	ZA016MDFP1	ZA016LDFP1	Fast Pulse
			ZA016SDMP1	ZA016MDMP1	ZA016LDMP1	Medium Pulse
			ZA016SDSP1	ZA016MDSP1	ZA016LDSP1	Slow Pulse
			ZA016SDDP2	ZA016MDDP2	ZA016LDDP2	Fast Double Pulse
			ZA016SDDP3	ZA016MDDP3	ZA016LDDP3	Slow Double Pulse
		ZA016SDPS1	ZA016MDPS1	ZA016LDPS1	Short Pulse	
		16 to 28 Vdc	ZA028SDCT	ZA028MDCT	ZA028LDCT	Continuous
			ZA028SDFP1	ZA028MDFP1	ZA028LDFP1	Fast Pulse
			ZA028SDMP1	ZA028MDMP1	ZA028LDMP1	Medium Pulse
			ZA028SDSP1	ZA028MDSP1	ZA028LDSP1	Slow Pulse
			ZA028SDDP2	ZA028MDDP2	ZA028LDDP2	Fast Double Pulse
	ZA028SDDP3		ZA028MDDP3	ZA028LDDP3	Slow Double Pulse	
	ZA028SDPS1	ZA028MDPS1	ZA028LDPS1	Short Pulse		
	AC OR DC	16 to 28 Vac/dc	ZA028SACT	ZA028MACT	ZA028LACT	Continuous
			ZA028SAFP1	ZA028MAFP1	ZA028LAFP1	Fast Pulse
			ZA028SAMP1	ZA028MAMP1	ZA028LAMP1	Medium Pulse
			ZA028SASP1	ZA028MASP1	ZA028LASP1	Slow Pulse
			ZA028SADP2	ZA028MADP2	ZA028LADP2	Fast Double Pulse
			ZA028SADP3	ZA028MADP3	ZA028LADP3	Slow Double Pulse
		ZA028SAPS1	ZA028MAPS1	ZA028LAPS1	Short Pulse	
		28 to 48 Vac/dc	ZA048SACT	ZA048MACT	ZA048LACT	Continuous
			ZA048SAFP1	ZA048MAFP1	ZA048LAFP1	Fast Pulse
			ZA048SAMP1	ZA048MAMP1	ZA048LAMP1	Medium Pulse
ZA048SASP1			ZA048MASP1	ZA048LASP1	Slow Pulse	
ZA048SADP2			ZA048MADP2	ZA048LADP2	Fast Double Pulse	
ZA048SADP3	ZA048MADP3		ZA048LADP3	Slow Double Pulse		
ZA048SAPS1	ZA048MAPS1	ZA048LAPS1	Short Pulse			
48 to 120 Vac/dc	ZA120SACT	ZA120MACT	ZA120LACT	Continuous		
	ZA120SAFP1	ZA120MAFP1	ZA120LAFP1	Fast Pulse		
	ZA120SAMP1	ZA120MAMP1	ZA120LAMP1	Medium Pulse		
	ZA120SASP1	ZA120MASP1	ZA120LASP1	Slow Pulse		
	ZA120SADP2	ZA120MADP2	ZA120LADP2	Fast Double Pulse		
	ZA120SADP3	ZA120MADP3	ZA120LADP3	Slow Double Pulse		
ZA120SAPS1	ZA120MAPS1	ZA120LAPS1	Short Pulse			

Continued →

Timing Sound Selection Guide

		SOUND LEVEL (dB @ 2 feet)			Tone Type	
		Soft 65 to 75 dB	Medium 75 to 85 dB	Loud 85 to 95 dB		
VOLTAGE RANGE	DC Only	6 to 16 Vdc	ZA016SDDL1	ZA016MDDL1	ZA016LDDL1	10 Sec. Delay
			ZA016SDSS1	ZA016MDSS1	ZA016LDSS1	1 Min. On-Time
			ZA016SDSU2	ZA016MDSU2	ZA016LDSU2	Fast Speed-up
		16 to 28 Vdc	ZA028SDDL1	ZA028MDDL1	ZA028LDDL1	10 Sec. Delay
			ZA028SDSS1	ZA028MDSS1	ZA028LDSS1	1 Min. On-Time
			ZA028SDSU2	ZA028MDSU2	ZA028LDSU2	Fast Speed-up
	AC OR DC	16 to 28 Vac/dc	ZA028SADL1	ZA028MADL1	ZA028LADL1	10 Sec. Delay
			ZA028SASS1	ZA028MASS1	ZA028LASS1	1 Min. On-Time
			ZA028SASU2	ZA028MASU2	ZA028LASU2	Fast Speed-up
		28 to 48 Vac/dc	ZA048SADL1	ZA048MADL1	ZA048LADL1	10 Sec. Delay
			ZA048SASS1	ZA048MASS1	ZA048LASS1	1 Min. On-Time
			ZA048SASU2	ZA048MASU2	ZA048LASU2	Fast Speed-up
48 to 120 Vac/dc		ZA120SADL1	ZA120MADL1	ZA120LADL1	10 Sec. Delay	
		ZA120SASS1	ZA120MASS1	ZA120LASS1	1 Min. On-Time	
		ZA120SASU2	ZA120MASU2	ZA120LASU2	Fast Speed-up	

Chime, Warble, & Siren Selection Guide

		SOUND LEVEL (dB @ 2 feet)			Tone Type	
		Soft 65 to 75 dB	Medium 75 to 85 dB	Loud 85 to 95 dB		
VOLTAGE RANGE	DC Only	6 to 16 Vdc	ZA016SDCM1	ZA016MDCM1	ZA016LDCM1	Chime
			ZA016SDDT7	ZA016MDDT7	Not Available	Fast Warble
			ZA016SDDT8	ZA016MDDT8	Not Available	Slow Warble
			ZA016SDSR8	ZA016MDSR8	ZA016LDSR8	Fast Siren
			ZA016SDSR9	ZA016MDSR9	ZA016LDSR9	Slow Siren
		16 to 28 Vdc	ZA028SDCM1	ZA028MDCM1	ZA028LDCM1	Chime
			ZA028SDDT7	ZA028MDDT7	ZA028LDDT7	Fast Warble
			ZA028SDDT8	ZA028MDDT8	ZA028LDDT8	Slow Warble
			ZA028SDSR8	ZA028MDSR8	ZA028LDSR8	Fast Siren
			ZA028SDSR9	ZA028MDSR9	ZA028LDSR9	Slow Siren
	AC OR DC	16 to 28 Vac/dc	ZA028SACM1	ZA028MACM1	ZA028LACM1	Chime
			ZA028SADT7	ZA028MADT7	ZA028LADT7	Fast Warble
			ZA028SADT8	ZA028MADT8	ZA028LADT8	Slow Warble
			ZA028SASR8	ZA028MASR8	ZA028LASR8	Fast Siren
			ZA028SASR9	ZA028MASR9	ZA028LASR9	Slow Siren
		28 to 48 Vac/dc	ZA048SACM1	ZA048MACM1	ZA048LACM1	Chime
			ZA048SADT7	ZA048MADT7	ZA048LADT7	Fast Warble
			ZA048SADT8	ZA048MADT8	ZA048LADT8	Slow Warble
			ZA048SASR8	ZA048MASR8	ZA048LASR8	Fast Siren
			ZA048SASR9	ZA048MASR9	ZA048LASR9	Slow Siren
		48 to 120 Vac/dc	ZA120SACM1	ZA120MACM1	ZA120LACM1	Chime
			ZA120SADT7	ZA120MADT7	ZA120LADT7	Fast Warble
			ZA120SADT8	ZA120MADT8	ZA120LADT8	Slow Warble
			ZA120SASR8	ZA120MASR8	ZA120LASR8	Fast Siren
		ZA120SASR9	ZA120MASR9	ZA120LASR9	Slow Siren	

Continued

Multi-Tone Sound Selection Guide

		SOUND LEVEL (dB @ 2 feet)			Tones
		Soft 65 to 75 dB	Medium 75 to 85 dB	Loud 85 to 95 dB	
VOLTAGE RANGE	6 to 16 Vdc	ZA016SDMT1	ZA016MDMT1	ZA016LDMT1	Continuous, Slow Pulse, Fast Pulse, Chirp
		ZA016SDMT2	ZA016MDMT2	ZA016LDMT2	Continuous, Slow Pulse, Fast Pulse, Slow Chime
		ZA016SDMT3	ZA016MDMT3	ZA016LDMT3	Continuous, Slow Pulse, Fast Pulse, Fast Chime
		ZA016SDMT4	ZA016MDMT4	ZA016LDMT4	Continuous, Slow Pulse, Fast Pulse, Slow Warble
		ZA016SDMT5	ZA016MDMT5	ZA016LDMT5	Continuous, Slow Pulse, Fast Pulse, Fast Warble
		ZA016SDMT6	ZA016MDMT6	ZA016LDMT6	Continuous, Slow Pulse, Fast Pulse, Fast Siren
		ZA016SDMT7	ZA016MDMT7	ZA016LDMT7	Continuous, Slow Pulse, Fast Pulse, Slow Siren
		ZA016SDMT8	ZA016MDMT8	ZA016LDMT8	Continuous, Fast Pulse, Slow Chime, Slow Warble
	16 to 28 Vdc	ZA028SDMT1	ZA028MDMT1	ZA028LDMT1	Continuous, Slow Pulse, Fast Pulse, Chirp
		ZA028SDMT2	ZA028MDMT2	ZA028LDMT2	Continuous, Slow Pulse, Fast Pulse, Slow Chime
		ZA028SDMT3	ZA028MDMT3	ZA028LDMT3	Continuous, Slow Pulse, Fast Pulse, Fast Chime
		ZA028SDMT4	ZA028MDMT4	ZA028LDMT4	Continuous, Slow Pulse, Fast Pulse, Slow Warble
		ZA028SDMT5	ZA028MDMT5	ZA028LDMT5	Continuous, Slow Pulse, Fast Pulse, Fast Warble
		ZA028SDMT6	ZA028MDMT6	ZA028LDMT6	Continuous, Slow Pulse, Fast Pulse, Fast Siren
		ZA028SDMT7	ZA028MDMT7	ZA028LDMT7	Continuous, Slow Pulse, Fast Pulse, Slow Siren
		ZA028SDMT8	ZA028MDMT8	ZA028LDMT8	Continuous, Fast Pulse, Slow Chime, Slow Warble

Call 317-612-1000 or Visit www.mallory-sonalert.com for More Details