



EWS 6 ELECTRONIC WARNING SIGNAL

One-piece multi-tone electronic sounder



The EWS 6 is a digitally based electronic sounder housed in a self contained horn speaker and has 16 separate tones selected on a 4 way DIP switch on the internal pc board.

Specifications

Power supply : 10 - 30Vdc, 0.25 - 0.6Adc
 Sound level : 108 - 118 dBA @ 1m
 Weight : 1.2kgs
 Vol control : -6db, -9db or -12dB
 Rating : 1 hour
 Environment : IP66

Instructions

1. The sounder comes with a two core cable (wht +, blk -) and the tone set to AS2220 (code 0000). To change this arrangement undo the two screws and remove the cover to access the pc board.
2. Connection to the sounder is via a terminal block on the pc board observing the marked polarity (see photo above).
3. The tone is selected using the digital code set on the 4 way DIP switch (see list of codes alongside) 1 = ON, 0 = OFF.
4. Cable access should be provided through the sealed gland to preserve the sealing of the unit.
5. When reassembling take care not to damage or displace the rubber seal between cover and body. It is advisable to mount the unit with the horn facing slightly down to avoid the collecting of moisture or dust.

Code Tones

Code	Tones
1 2 3 4	
0 0 0 0	AS2220 alarm (NZ fire alarm)
1 0 0 0	Fast sliding tone (yelping)
0 1 0 0	Fast siren (police car)
1 1 0 0	Slow siren (air raid)
0 0 1 0	Alternate 2100/2800Hz (high warble)
1 0 1 0	Alternate 1000/1500Hz (med warble)
0 1 1 0	Alternate 600/800Hz (doodle, doodle)
1 1 1 0	Alternate 420/580Hz (do dah do dah)
0 0 0 1	Intermittent 2900Hz (fast beep)
1 0 0 1	Intermittent 930Hz (med beep)
0 1 0 1	Intermittent 630Hz (beep beep)
1 1 0 1	Intermittent 400Hz (boop boop)
0 0 1 1	Continuous 2800Hz high tone
1 0 1 1	Continuous 960Hz med tone
0 1 1 1	Continuous 650Hz low tone
1 1 1 1	Continuous 420Hz deep tone

Notes on using the EWS 6 as a fire alarm

Setting the code to 0000 will produce the Standard NZ fire alarm signal conforming with AS2220 2.5.3.1.c (evacuation signal manual). Fire alarms must be clearly labeled as such by being painted red or having a conspicuous label fitted. In other respects this unit also meets the requirements of the NZS4512:1997 "FIRE ALARMS SYSTEMS IN BUILDINGS". It is fitted with a double terminal block to allow the connection of further devices or a terminating resistor for sensing circuit continuity. It is also fitted with a diode to permit reverse voltage sensing. Fire Regulations require some sort of loudness control. If this cannot be achieved by physical placement or muffling then loudness can be reduced by cutting tracks beneath the 15 Ohm resistors R7 and R9 on the pc board, thus placing 7.5, 15 or 30 Ohms in series with the speaker coil and reducing the loudness by 6dB, 9dB or 12dB respectively. This method carries a high risk of damage to the pc board as removal and replacement of the board is difficult.

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