

AMPLIFIER & SIREN DRIVER UNIT



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A compact, dual voltage 100W siren unit that can either operate as an independent unit or be connected with another compact MCS-SSA siren device to create a synchronized tone.

- 12 VDC and 24 VDC operation
- Interconnects to related products via proprietary CAN Bus
- Can be operated from an input or compatible multi-way switch
- Hands-Free operation via the HRT (Horn Ring Transfer) feature enables scrolling through pre-selected siren tones
- Selectable siren sounds with Air/Bull horn option
- Siren active output (ideal as Data Recorder Input)
- On Board status LED's
- Supports 8 and 11 OHM speakers
- City Mode volume reduction feature
- Workshop mode volume suppression feature for testing

DESCRIPTION

The MCS-SE can also be linked with another MCS-SE siren device to create a 'two siren' sound effect from one vehicle.

With the following system functions and features:

- Tones from each unit will be different
- Tones from each device will be un-synchronised to give a two-vehicle effort
- Dual 100W siren outputs via two separate 100W speakers

Maximum Rating:

- 34VDC Supply Voltage
- Current Draw 15 Amps
- 4 Milliamps typical standby current - switch de-activated
- 35 Milliamps typical standby current - switch activated
- -20 C to 70 C standby temperature
- -20 C to 65 C operating temperature



100W Speaker:

- Suitable for 60W and 100W operation
- 100W output - 127 dB (A) at 1m
- 8 OHMs impedance



100W Flat Speaker:

- A robust corrosion resistance 100W flat speaker
- The exceptionally slim speaker housing makes it easy to install either horizontally or vertically behind the vehicle's grille or bumper
- 127db(A) at 1m - 100W
- Suitable for 60W and 100W operation
- 11 OHMs impedance



Digital Inputs:

- 3 x Positive/Negative switched
- 2 x Positive switched (HRT, Airhorn)
- 2 x Negative switched (HRT, Airhorn)

Analog Monitoring:

- Incoming system voltage sense
- Internal temperature monitor
- Siren system's current monitor
- System has cooling using an internal fan

Outputs:

- 3 x High or low switching 500 milliamps rated transistors with internal re-settable fuse protection
- 100W siren speaker output 8 or 11 OHM selectable

Communication:

- 1 x CAN Bus 2.0 full speed interface