

GP Range

The GP range provide a motor siren solution for general wide area notification in a variety of industrial, civil and commercial environments.

The units are of a sturdy rugged construction and produce the familiar low frequency 'air raid' sound.

Features:

- 3 Phase 400VAC +/-10% 50Hz supply required for operation (alternative voltages and frequencies can be available by request)
- Cast Aluminium and steel construction
- Can be supplied with anti-icing heaters for the motor
- 475 Hz constant tone
- Control units can be supplied to safely operate the siren and allow production of a 'wail' tone as a secondary function to the standard 'constant' tone.

Ratings:

- IP 55
- Operating temperature between -20°C and +60°C



Sound dB(A):

GP6 –	1m = 135	GP10 –	1m = 140	GP12 –	1m = 145
	30m = 105		30m = 110		30m = 115
	500m = 81		500m = 86		500m = 91
	1km = 75		1km = 80		1km = 85
	3km = 65		3km = 70		3km = 75
	5km = 61		5km = 66		5km = 71

Note: levels provided are over a flat open area with no wind

Dimensions:

GP6 -	492 x 398 x 438mm	Weight – 50Kg	Current – 5A
With heater	582 x 398 x 438mm	Weight – 52Kg	
GP10 -	536 x 495 x 557mm	Weight – 110Kg	Current – 11A
With heater	576 x 495 x 557mm	Weight – 112Kg	
GP12 -	762 x 496 x 585mm	Weight – 195Kg	Current – 22A
With heater	842 x 496 x 585mm	Weight – 199Kg	

Part Numbers:

GP6 – SWG-0032	With heaters	GP6 – SWG-0036
GP10 – SWG-0023		GP10 – SWG-0037
GP12 – SWG-0006		GP12 – SWG-0005

Value Range

The value range of electronic sirens provide an economic solution without the requirement of 3phase power and with the advantage of continual operation during power loss.

Features:

- Enclosure manufactured from powder coated mild steel with an IP65 rating. Stainless steel enclosures are available by request.
- Siren is powered from an internal 48VDC battery supply which is kept charged via a 110/220VAC +/- 20% @ 47-63Hz PSU.
- Solar panels with charge regulators can be added for appropriate installations where AC is not available.
- Minimum siren operation of 6 minutes following a 7 day loss of AC power.
- Siren controller can be configured to operate direct from the AC supply without battery if required.
- Facility for up to 4 configurable and user selectable emergency signal tones.
- Live PA feature via a 600Ω balanced and isolated input or microphone connected to HMI interface.
- Output amplifier features a self healing short circuit with thermal and over current protection.
- Full control of a single or multiple units can be achieved via RS485 over distances up to 1.5km
- UHF/VHF radio units can be used for remote operation.
- Simple control via 5 volt free opto-coupled inputs
- Volt free output preconfigured for active siren allows connection to third party equipment (eg. Beacons)
- Operating temperature is between -20°C and +60°C



Dimensions:

Control -	210 x 510 x 610mm	Weight – 23Kg (without batteries)
Single Horn -	725 x 150 x 505mm	Weight – 14kg

Sound dB(A):

Omni directional

ES1/2V - (2 horns)	30m = 106 500m = 81 1km = 76 3km = 66 5km = 62
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Uni directional

ES1/3V - (3 horns)	30m = 115 500m = 91 1km = 84 3km = 75 5km = 71
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ES2V - (6 horns)	30m = 115 500m = 91 1km = 84 3km = 75 5km = 71
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ES2V - (6 horns)	30m = 121 500m = 97 1km = 91 3km = 81 5km = 77
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Levels indicated assume the surrounding area is flat with no obstruction and that there is no wind.

Value Range – Control Options

The following devices are those most commonly supplied to operate the value range of sirens. We do understand that each project is unique, if our standard control options are not the exact requirements for you we may be able to offer a bespoke solution.

SIP-6 HMI

Basic switch unit allows simple operation of a single or multiple sirens

- Activation of up to 5 signals plus stop.
- Smaller units can be provided with less switches
- Rated to IP65
- Indicator LED for 'siren active' can be provide in place of one of the switches.

DT-11 HMI Console

The console features a 2 line 16 character LCD backlit display and allows operation of a single or multiple sirens plus the facility to broadcast live voice using the optional microphone.

- Activation of up to 4 signals.
- Live PA facility when optional microphone is connected.
- Can be wall mounted or fixed within the siren control cabinet.
- Connection to the siren controller is via RS485 connection
- Power is 12VDC which can be over the RS485 cable or by connecting a separate PSU to the 12v input connector.
- Console can be connected to communicate with the siren controller over UHF/VHF radio link or Fibre Optics as an alternative to cabling.
- All configuration data is stored on non-volatile memory.



Electronic Siren – Mast Configurations

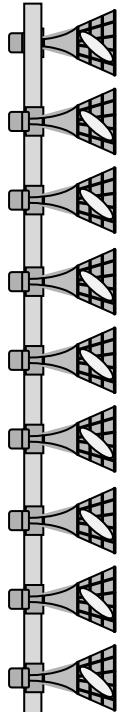
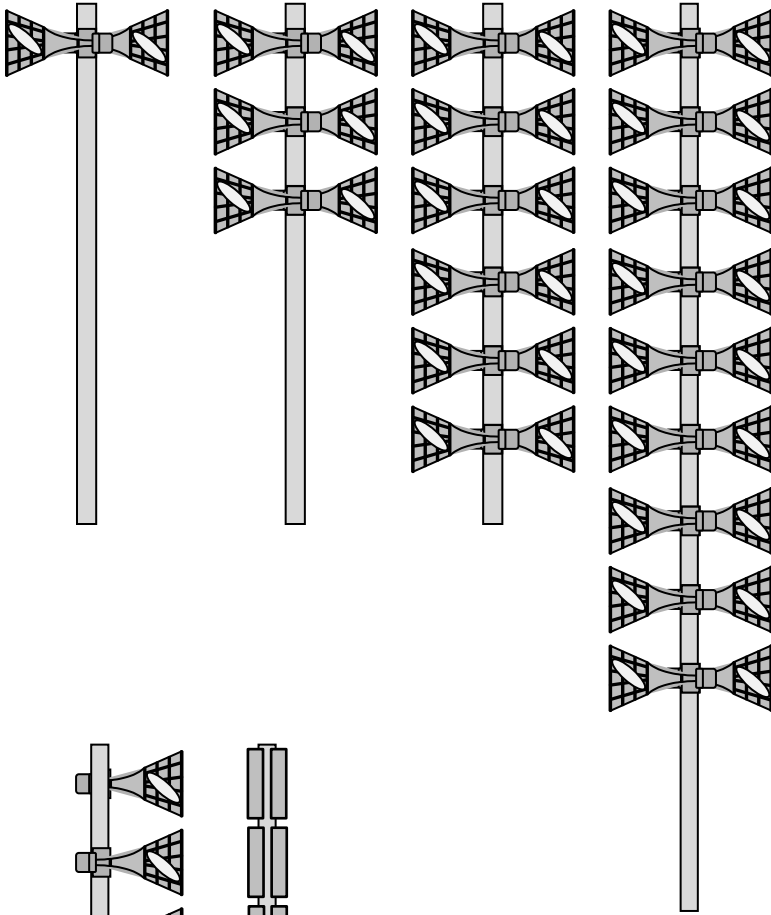
Omni Directional

ES1/2

ES2

ES3

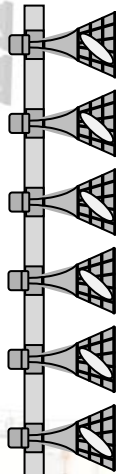
ES4



ES4
(Side View)



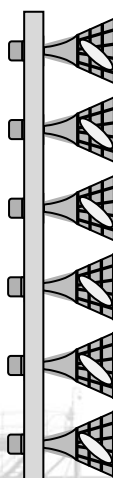
ES4
(Front View)



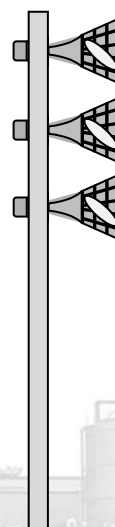
ES3
(Side View)



ES3
(Front View)



ES2



ES1/3

Uni Directional