

# SDP212H

## Programmable Siren & Control System



### FEATURES

- Fully programmable and customizable configuration with PC software:
  - Button & Input style: Maintained, Momentary, Timer and etc.
  - Button Interlink, Interlock & Output port.
  - Tone selection: Primary, Override, Mixer, Hand-free Tone.
  - Multi-press function.
- 15-Button Hand-held Controller w/ built-in Mic, Button buzzer, 6-Traffic Arrow indicator LEDs and power magnet mounting mechanism.
- 12 Relay Outputs (3x 15A, 3x 10A, 2x 2A, 4x 0.25A) and 1 dry contact relay output.
- 4 positive or negative activated Logic Inputs and 1 voltage-variable Analogue Input.
- 12-24VDC multi-voltage Class D amplifier for low amp draw and clean sound.
- 200W amplifier supports one or two 100W speakers (11Ω).
- Separate backlight control and covert mode (backlight disabled).
- Selectable tone including Wail, Yelp, Phaser (Piercer), Hi-Lo, Mechanical, European Tone and etc.
- Heavy-duty power and output connectors with easily accessible fuses.
- Radio Re-Broadcasting (RRB) for audio replay.
- "Record-n-Play" function: Record instant replayable messages up to 20 seconds.
- "MIX TONE" function allows each speaker for a Multi-Speaker Effect.
- Voltage detection, programmable for auto low voltage protection.

### SPECIFICATIONS

**Compliance:** SAE J1849 EVS1; ECE R10 ; CISPR 25

**Input Voltage:** 12-24 VDC

**Standby Current:** 0 mA (w/o IGN wire) / <0.35A (w/ IGN wire)

**Max. Current:** 20A @ 12VDC / 10A @ 24VDC (w/o light control outputs)  
100A @ 12VDC / 50A @ 24VDC (w/ light control outputs)

**Siren Output Power:** 200W (100W Speaker x2) 11Ω

**Siren Frequency:** varies between tones

**Operating Temp:** -30°C to 65°C

**I/O:**

- Power
- High Current Output x3
- Logic Input x4
- Radio Audio Input
- Controller Port
- IGN(Ignition)
- Mid/Low Current Output x9
- Voltage-variable Analogue Input x1
- Microphone TRS (optional)
- PC Link USB Port
- Speaker Output x2 set

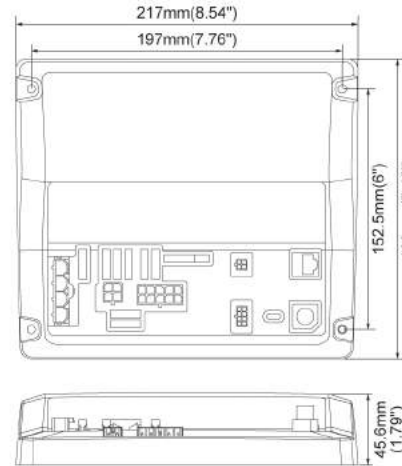
**Light Controls:** 3x 15A, 3x 10A, 2x 2A, 4x 0.25A light control outputs.

**Fuse Ratings:** Blade Fuse: 30A x1, 15A x3, 10A x3, 2A x2  
Resettable Fuse: 0.25A x4

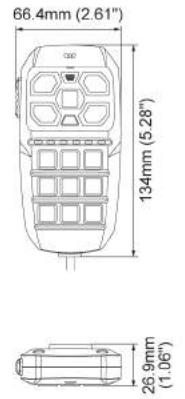
**Cable Lengths:** Connector Harness x5: 30cm  
Controller Extension Cord: 400cm

### DIMENSIONS

Siren Amplifier



15-Button Handheld Controller  
(Power Magnet Mount)



### SELECTABLE TONE\*

| Description          | Tone                       |
|----------------------|----------------------------|
| General              | Wail                       |
|                      | Yelp                       |
|                      | Phaser (Piercer)           |
|                      | Hi-Lo                      |
|                      | Mechanical Wail            |
|                      | Alternate Wail             |
|                      | Comp Wail                  |
|                      | Comp Yelp                  |
|                      | Comp Phaser (Piercer)      |
| Horn                 | Air Horn                   |
|                      | Air Horn Hi-Lo             |
| Combo                | Wail Yelp Phaser (Piercer) |
| Austria Ambulance    | Two Tone                   |
| Austria Fire Brigade | Two Tone                   |
| Austria Magistrate   | Two Tone                   |
| Austria Police       | Two Tone                   |
| France Ambulance     | Two Tone                   |
| France Gendarmerie   | Two Tone                   |
| France Police        | Two Tone                   |
| France Pompiers      | Two Tone                   |
| France UMH           | Two Tone                   |
| Germany Land         | Two Tone                   |
| Germany Stadt        | Two Tone                   |
| Italy Ambulance      | Two Tone                   |
| Italy Police         | Two Tone                   |
| Italy Wail           | Wail                       |
| Italy Yelp           | Yelp                       |
| Netherlands Police   | Two Tone                   |
| Netherlands Police 2 | Two Tone                   |

\*The actual list of Selectable Tones may vary based on the software version.