

# SDF104H

## 100W Siren Amplifier w/ 12-Button Handheld Controller



### FEATURES

- 100W siren amplifier for single speaker (11Ohm) setup.
- Class D amplifier for low amp draw and clean tone.
- 12-24VDC multi-voltage.
- Siren Interlock function that disables siren activation without primary warning.
- 4 x 5A relay output switch.
- 22 selectable tone cycles comprised of international and European tones.
- Positive input for Horn Ring Transfer.
- Radio Re-Broadcasting (RRB) and PA function.
- 12-button handheld controller with built-in microphone.
- Compact design with aluminium chassis.
- Programmable Code 1/2/3 buttons, momentary/maintained/timer w/itch, siren volume, tone.
- Reverse Polarity Protection.

### SPECIFICATIONS

**Compliance:** SAE J1849 EVS1; CA13; ECE R10 ; CISPR 25

**Input Voltage:** 12-24 VDC

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

**Avg. Current:** 8.5A @ 12VDC / 4A @ 24VDC

**Max. Current:**

10A @ 12VDC / 5A @ 24VDC (w/o light control outputs)

30A @ 12VDC / 25A @ 24VDC (w/ light control outputs)

**Siren Output Power:** 100W

**Siren Output Load:** 100W-ACR 11Ω

**Siren Frequency:**

761Hz - 1592Hz (WAIL/YELP/PHASER);

362Hz - 733 Hz (HI/LO)

**Operating Temp:** -30°C to 65°C

**I/O:** ■ +VDC, ■ -GND, ■ Speaker Output+-,  
■ IGN(Ignition), ■ SW1~SW4, ■ Horn Ring Transfer Input,  
■ Radio Audio Input +-,

**Siren Controls:**

5 ON/OFF push-buttons (SIREN, RADIO, Code 1, Code 2, Code 3)

3 Momentary push-buttons (PTT, MAN, HORN)

4 Momentary/Maintained/Timer push-buttons (SW1, SW2, SW3, SW4)

SW1 may be set to interlock SW2, SW3, SW4 and Siren

IGN (Ignition) Input Connection

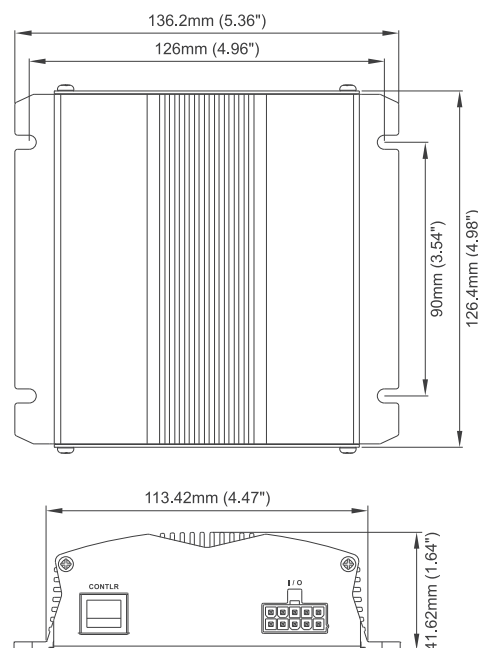
HORN Input Connection

**Light Controls:** 4 lighted push-button switches with replaceable legends.

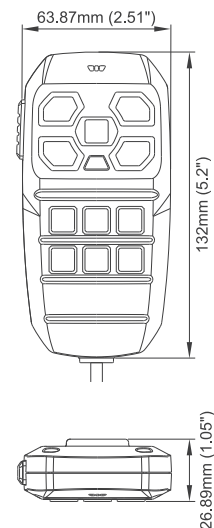
**Light Output Ratings:** Built-in 5A fuse on each of the 4 outputs.

### DIMENSIONS

#### Siren Amplifier



#### 12-Button Handheld Controller



## SELECTABLE TONE CYCLE

#	COUNTRY	TONE	FREQUENCY(Hz)	CYCLE/MINUTE
1 (SAE default)	INTERNATIONAL	STANDARD	761-1592	WAIL 12 C/M
			761-1592	YELP 158 C/M
2	INTERNATIONAL	STANDARD	761-1592	YELP 158 C/M
			761-1592	PHASER 886 C/M
3	INTERNATIONAL	STANDARD	761-1592	PHASER 886 C/M
			450-598	HILO 40 C/M
4	INTERNATIONAL	STANDARD	450-598	HILO 40 C/M
			761-1592	PHASER 886 C/M
5	INTERNATIONAL	STANDARD	761-1592	WAIL 12 C/M
			761-1592	YELP 158 C/M
6 (ECE default)	INTERNATIONAL	STANDARD	761-1592	PHASER 886 C/M
			761-1592	WAIL 12 C/M
7	INTERNATIONAL	STANDARD	761-1592	YELP 158 C/M
			450-598	HILO 40 C/M
8	FRANCE	GENDARMERIE	761-1592	PHASER 886 C/M
			435-733	WAIL 12 C/M
9	FRANCE	POLICE	435-580	HILO 55 C/M
10	FRANCE	AMBULANCE	421-516-421	HILO 30 C/M
11	FRANCE	POMPIERS	435-488	HILO 27 C/M
12	FRANCE	UMH	435-649	HILO 55 C/M
13	GERMANY	STADT	432-575	HILO 40 C/M
			362-484	HILO 40 C/M
14	AUSTRIA	POLICE	432-575-432-575-	HILO 25 C/M
			432-575-432-575	HILO 25 C/M
15	AUSTRIA	AMBULANCE	524-393-524-393	HILO 17 C/M
16	AUSTRIA	FIREBRIGADE	393-524-393-524	HILO 17 C/M
17	AUSTRIA	MAGISTRATE	524-393-524	HILO 18 C/M
18	ITALY	POLICE	466-620	HILO 40 C/M
19	ITALY	AMBULANCE	392-659-392-659	HILO 40 C/M
20	ITALY	AMBULANCE 2	761-1592	WAIL 12 C/M
			761-1592	YELP 158 C/M
			392-659-392-659	HILO 40 C/M
21	NETHERLANDS	POLICE	373-500	HILO 33 C/M
22	NETHERLANDS	POLICE 2	373-500	HILO 33 C/M

## PART NO.

- S008-11031-000 (ECE R10)
- S008-21031-000 (SAE EVS1)

## COMPATIBLE SPEAKER

- JS100-C1 Compact Siren Speaker

