

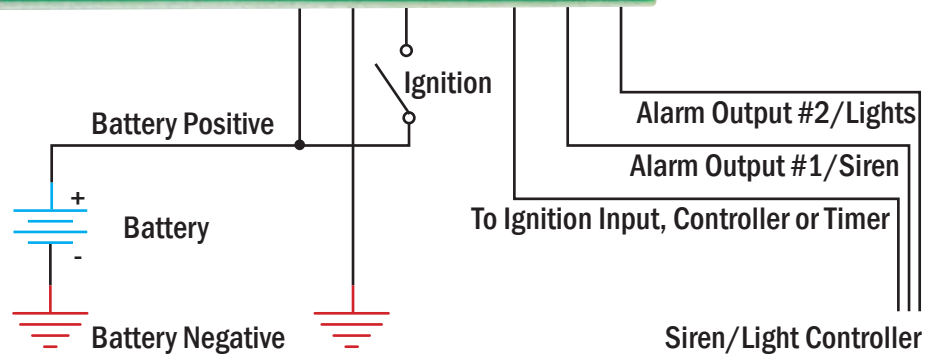
# DEFEND IR

## WIRING GUIDE

Wiring should be 18 AWG, UL 1007-1015 Insulation hookup wire. The 12v+ (Battery) wire should be fused using 5A fuse.

IGO (Ignition Out) should be fused to whatever specification the controller manufacturer recommends in their installation manual.

**\*IF USING TIMER – DISABLE THRESHOLD**



# DEFEND IR



## DIP SWITCH SETTINGS

The Defend IR has an 6 position DIP switch that allows users to configure timeouts in firmware. There are three timeouts that can be configured.

### TIME TO ARM

DIP 1	DIP 2	SECONDS
OFF	OFF	03
ON	OFF	60
OFF	ON	90
ON	ON	120

### TIME TO TRIGGER

DIP 3	DIP 4	SECONDS
OFF	OFF	10
ON	OFF	20
OFF	ON	30
ON	ON	40

### TIME TO SOUND SIREN

DIP 3	DIP 4	SECONDS
OFF	OFF	03
ON	OFF	60
OFF	ON	90
ON	ON	120

## TECHNICAL SPECIFICATIONS

- Size.....2" Console Face Plate
- Input Voltage ..... 9 - 18vDC (negative ground)
- Reverse Voltage Protect. Yes
- Current Draw ..... 10 Milliamps (mA)
- Input Current A+ ..... 3.0 Amps MAX
- Input Current IGN ..... 3.0 Amps MAX
- Operating Temperature.. 0° F to +160° F (-18° C to +71.1° C)
- Output OT1 ..... High, 2.5 Amps MAX curent load @ 13.6vDC
- Output OT2 ..... High, 2.5 Amps MAX curent load @ 13.6vDC
- Output IGO ..... High, 2.5 Amps MAX curent load @ 13.6vDC

## COMPATIBLE LIGHT/SIREN CONTROLLERS

- Code 3 – Z3 Matrix
- Federal Signal – Smart Siren Platinum, Pathfinder
- SoundOff Signal – nErgy 400 Series
- Whelen – CenCom, Control

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