

## Turn Signal/Hazard Flasher, Solid State

### #ETTS00-P

- 100% Solid State, potted design for long-lasting, reliable performance
- For use with 12 Vdc ground side switched vehicles
- Flashes @ constant 1.5 f.p.s. (flashes per second) rate
- Can be installed to function as a Turn Signal flasher or as a Hazard light flasher
- Maximum of 8 - 32 watt lights (per side)



3.2" (81 mm) L x 2.2" (56 mm) H x 2.8" (71 mm) W  
Mounts on 1.4" (36 mm) centers  
16" (41 cm) wires

## Taillight Flasher, Solid State

**Flashback™ Alternating #ETFBSN-P**  
**with AMP Connector #ETFBSAN-P**  
**with Fleet Harness #ETFBSANFL**

- 12 wire module with isolating diodes for the reverse wire that is required for many new cars & trucks
- For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- Provides an additional output for deck lights
- Alternating red & white light creates an effective rear warning signal to greatly reduce rear end collisions
- 100% Solid State, potted design for long-lasting, reliable performance



4.7" (12 cm) L x 2" (51 mm) H x 0.7" (18 mm) D  
Mounts on 4" (10 cm) centers  
18" (46 cm) wires

## Taillight Flasher, Relay

**Flashback™ Alternating #ETFB00-P**  
**with Amp Connector & Fleet Harness #ETFBFLEE**

- Flashes taillights @ 2.4 f.p.s.
- Alternately flashes the brake lights and the reverse lights at 2.4 f.p.s.
- Built-in diodes provide isolation protection for the vehicle's electrical system



3.2" (81 mm) L x 2.2" (56 mm) H x 2.8" (71 mm) W  
Mounts on 1.4" (36 mm) centers  
16" (41 cm) wires

## Flash Patterns

**Cycle Flash:** Multi-pattern cycles through three double alternating & 2-simultaneous patterns.

**Double Flash:** Fast double flash alternating @ 3.0 f.p.s.

**ETM™:** Fast simultaneous flash @ 3.6 f.p.s.

**Flashback™:** Alternates lower brake lights against reverse lights @ 2.6 f.p.s.

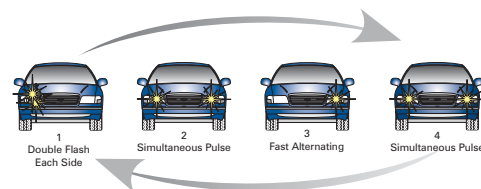
**PowerPulse™:** Fast alternating pattern @ 3.0 f.p.s.

**RoadRunner™:** Slow alternating pattern @ 1.9 f.p.s.

**Single Flash:** Slow alternating flash pattern at 55 f.p.m.

**Q-Switch™:** Cycles through 3 flash patterns:  
Double Flash Alternating, Fast Simultaneous Pulse & Fast Alternating @ 1.9 to 3.0 f.p.s.,  
pattern repeats every 5.4 seconds

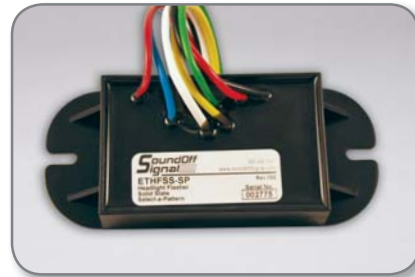
### Q-Switch™ Flash Pattern



## SELECT-A-PATTERN TECHNOLOGY

### Headlight Flasher, Solid State

18" wire leads .....	#ETHFSS-SP
Weather Seal Connector .....	#ETHFSS-SPWS
18" wire leads, Single Pattern .....	#ETHFSS-CHP
AMP Connector .....	#ETHFSS-SPA
Heavy Duty model (14 amp).....	#ETHDSS-SP
Amp Connector & Harness (14 amp).....	#ETHFSS-SPFL
Heavy Duty w/ AMP Connector (14 amp) .....	#ETHDSS-SPA
Heavy Duty w/ AMP Connector & Harness (14 amp) .....	#ETHDSS-SPFL
DRL compatible model (12v).....	#ETHFSS-SP-CMP
Isolation model (12v).....	#ETHFSS-SP-ISO



4.7" (12 cm) L x 2" (51 mm) H x 0.7" (18 mm) D  
Mounts on 4" (10 cm) centers  
18" (46 cm) wires

- Ideal flasher for most "big 3" car models - designed for 2 to 4 headlight positive side switched headlight systems
- Great for motorcycles with positive side switched headlight systems
- Select-a-Pattern Technology w/ 7 user selectable flash patterns: PowerPulse™, RoadRunner™, ETM, Cycle Flash, Q-Switch, Single Flash or Double Flash Alternating
- Built-in shutdown features include protection against: short circuit, over current, over voltage, under voltage, over temperature & reverse polarity
- Durable & non-corrosive ABS plastic housing
- 100% Solid State, potted design for long-lasting, reliable performance

## SELECT-A-PATTERN TECHNOLOGY

### Headlight Flasher, Relay

#ETHF00-SP



3.2" (81 mm) L x 2.2" (56 mm) H x 2.8" (71 mm) W  
Mounts on 1.4" (36 mm) centers  
16" (41 cm) wires

- Operates a 2 or 4 headlight system on positive or ground side switched vehicles
- 3 user selectable Flash Patterns: RoadRunner™, PowerPulse™ & Double
- When used at night, the low beam headlights remain ON for proper illumination while the high beams flash
- Built-in high beam override interrupts the flasher sequence to allow normal high beam function & flasher automatically resumes when the dimmer switch is activated

### Headlight Flasher, Relay #ETRR00-P

with Amp Connector & Fleet Mating Harness:

RoadRunner flash pattern #ETRRFLEE,

Q-Switch flash pattern #ETQSFLEE



3.2" (8 cm) L x 2.8" (71 mm) W x 2.2" (56 mm) D  
Mounts on 1.4" (36 mm) centers  
16" (41 cm) wires

- Installs into 2 or 4 headlight positive side switched systems
- When used at night, the low beam headlights remain ON for proper illumination while the high beams flash
- Built-in high beam override interrupts the flasher sequence to allow normal high beam function & flasher automatically resumes when the dimmer switch is activated

Flash Pattern Descriptions see bottom of opposite page

## Deck/Grille Light Flasher, Solid State

### For Halogen or LED Lights #ETDGSS-P

- Works with ground or positive side vehicles
- Alternates auxiliary deck/grille lights @ 2.4 f.p.s.
- Rated "Heavy Duty" at 100 watts (8 amps) per output
- May also be used for a pair of halogen or LED deck/grille lights
- 100% Solid State flasher



2" (51 mm) L x 3.5" (89 mm) W x 1.2" (30 mm) H  
Mounts on 3" (76 mm) centers  
16" (41 cm) wires

## Heavy Duty Flasher, Solid State

### Positive Side Switched, Alternating #ETHDF1-P

- Installs into positive side switched headlight systems
- RoadRunner™ flash pattern (slow alternating @ 1.9 f.p.s.)
- Rated "Heavy Duty" at 100 watts (8 amps) per output
- Great for railroad, wrecker and emergency vehicles



5" (13 cm) L x 3.5" (89 mm) W x 1.2" (31 mm) H  
Mounts on 3" (8 cm) centers  
8" (20 cm) wires

## 15 Amp Extra Duty Flasher, Solid State

### Positive Side Switched #ETAF15-P

- Installs into positive side switched headlight systems
- RoadRunner™ flash pattern (slow alternating @ 1.9 f.p.s.)
- Rated "Extra Duty" at 190 watts (15 amps) per output
- 2 - 190 watt outputs



5" (13 cm) L x 3.5" (89 mm) W x 1.2" (31 mm) H  
Mounts on 3" (8 cm) centers  
8" (20 cm) wires

## Alt Alert, Solid State #EAA000-P

### with Deutsch Connector #EAA000-P2

- Designed to warn the vehicle operator if the electrical systems voltage range is out of its safe operating range; if the vehicle's voltage fall below 11.80 volts for more than 7 seconds or if it exceeds 15.50 volts, Alt Alert will show an indicator light or a warning buzz
- Automatic Reset - resumes monitoring when electrical system returns to normal operating range
- 60 cycle pulse rated @ 1 amp max



3" (76 mm) L x 1.5" (38 mm) W x 1" (25 mm) H  
Mounts on 4" (10 cm) centers  
8" (20 cm) wires

### 2 Output



3.2" (81 mm) L x 0.8" (20 mm) W x 0.8" (20 mm) D  
Mounts on 2.8" (71 mm) centers  
12" (31 cm) wires

### 6 Output



5.5" (14 cm) L x 3.3" (84 mm) W x 1" (25 mm) D  
Mounts on 5" (13 cm) centers

### 12 Output



6" (15 cm) L x 3.4" (86 mm) W x 1" (25 mm) D  
Mounts on 5.5" (14 cm) centers  
12" (30 cm) wires

## LED Light Flashers

- 2 Output w/ 8 Flash Patterns #ETFFC02LED**
- 6 Output w/ 8 Flash Patterns #ETFFC06LED**
- 12 Output w/ 9 Flash Patterns #ETFFC12LED**



- Synchronizes all LED warning lights - overrides all SoundOff Signal LED warning lights to take over pattern control
- 2 & 6 Output LED Flashers offer 8 user selectable flash patterns: Double, PowerPulse™, Quint, ETM™, Q-Switch™, WarpFlash™, Inter-Cycle™ & Quad
- 12 Output LED Flasher offers 9 user selectable flash patterns: Double, PowerPulse™, Quad, ETM™, RoadRunner™, Quint, Inter-Cycle™, Q-Switch™, WarpFlash™
- For use with LED lights only

## LED Flasher Flash Patterns

- ETM™** ..... Fast Simultaneous flash pattern @ 3.6 f.p.s.
- Inter-Cycle™** ..... Cycles continuously through 2 - Quint™ patterns & 4 - WarpFlash™ patterns
- PowerPulse™** ..... Alternating (wig wag) flash pattern @ 3.0 f.p.s.
- Quad** ..... Four consecutive flashes @ 235 f.p.m.
- Quint** ..... Five consecutive flashes @ 140 f.p.m.
- Q-Switch™** ..... Cycles through 3 flash patterns: Double Flash Alternating, Fast Simultaneous Pulse & Fast Alternating @ 1.9 to 3.0 f.p.s. - pattern repeats every 5.4 seconds
- WarpFlash™** ..... Alternating (wig wag) flash pattern @ 700 f.p.m.

## LED Strobe Pulse Module

### #ETLEDFC1 (for use with LED Lights only)

- Converts non self-contained LED warning lights into a "Strobe Pulse" flash effect
- Flashes any 12 volt LED light up to 3 amps
- For use with LED lights only



## LED Load Module

### #ECVLDMDL01 (for use with LED lights only)

- Solution for erratic flash patterns
- Adds 10 watt load across LED lamps restoring flash rate of mechanical, turn signal & hazard flashers
- For use with LED lights only



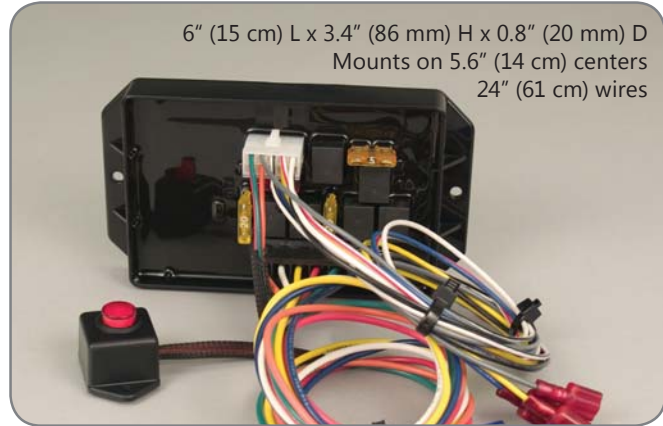
Flashers - Heavy Duty, Alt Alert, for LED Lights

1.800.338.7337 / www.soundoffsignal.com



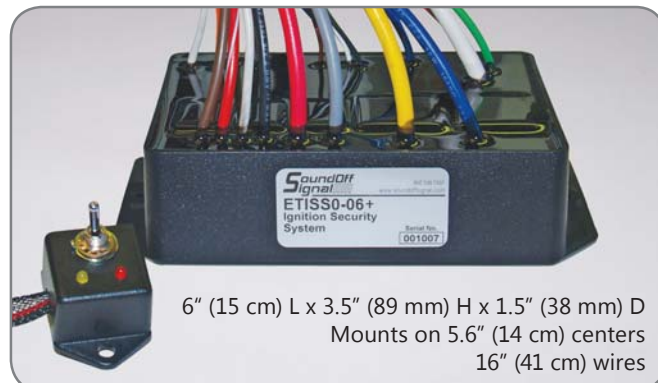
## Ignition Security System (I.S.S.) *Standard Model #ETISSO-07+*

- Easier to install & designed to be compatible with many different vehicles
- Quick installation by use of quick connect "T-tap" connectors
- Connectors allow for quick replacement/removal of I.S.S.
- Allows the vehicle to stay running when the key is removed from the ignition switch
- Brake pedal & shift lever movement disables the I.S.S. & stops the engine (and sounds horn if connected)
- Drive simply deactivates by turning the key to the Run position & depressing brake
- Automatic low voltage detection will activate the horn to provide notification of vehicle problems
- Additional universal output provides Normally open or Normally closed contact for Starter Disable, Gun Lock Disable, Camera Record, etc.
- Mounts behind the dash & within the wire length of the steering column
- Optional horn or siren alarm
- Includes illuminated remote switch



## Ignition Security System (I.S.S.) *Heavy Duty Model #ETISSO-06+*

- Designed to be compatible with many different types of vehicles including police package vehicles, trucks & buses
- For older heavy duty vehicles that require higher current draw through the ignition switch
- Allows the vehicle to stay running when the key is removed from the ignition switch
- Brake pedal and shift lever movement disables the I.S.S. & stops the engine (and sounds horn if connected)
- Driver simply deactivates by turning the key to the Run position and depressing brake
- Additional relay output provides normally open or normally closed contact for Starter Disable, Gun Lock Disable, Camera Record, etc.
- Mounts behind the dash and within the wire length of the steering column
- Optional horn or siren alarm





## Curb/Entry Light 4" Oval LED

w/ Bare Wires #ECVCBLTST

w/ Delphi Weatherpack Connector #ECVCBLTST-WP



- **Light passes IP67 testing** - a rigorous dust & immersion test - may be used in exterior applications
- **Provides excellent lighting** at the entrance of vehicles, trailer & buses to illuminate steps, lifts or tool boxes
- **Light design helps meet ADA requirements** by focusing light on curb/entry door area
- **Durable clear polycarbonate lens & black housing with affixed neoprene gasket**
- **Long-lasting & bright LED with a very low amp draw**

Tech Specs	LED Curb/Entry Light
Technology:	1 Gen3 LEDs
Input Voltage:	10 - 30 Vdc
Current Draw:	0.3 amps @ 12.8 Vdc 0.15 amps @ 25.6 Vdc
Dimensions:	Width x Height x Depth 4" (10 cm) W x 2.7" (6.1 cm) H x 1.3" (3.3 cm) D
Operating Temp.:	-40° to +65° C / -104° to +149° F



Light installed in the tool box of a wrecker/tow truck.



## Stepwell Light 4.5" Round LED

w/ Bare Wires #ECVSWLTST



- **Provides excellent lighting** at the entrance of vehicles, trailer & buses to illuminate steps, lifts or tool boxes
- **Light design helps meet ADA requirements** by focusing light on steps/entry area
- **Light mounts into pre-drilled or existing holes in buses for retrofitting** & upgrading to LED
- **Durable polycarbonate lens with affixed neoprene gasket**
- **Long-lasting & bright LED with a very low amp draw**

Tech Specs	LED Stepwell Light
Technology:	1 Gen3 LEDs
Input Voltage:	10 - 30 Vdc
Current Draw:	0.3 amps @ 12.8 Vdc 0.15 amps @ 25.6 Vdc
Dimensions:	Diameter x Depth 4.5" (11.4 cm) Diam x 2.7" (6.1 cm) D
Operating Temp.:	-40° to +65° C / -104° to +149° F

