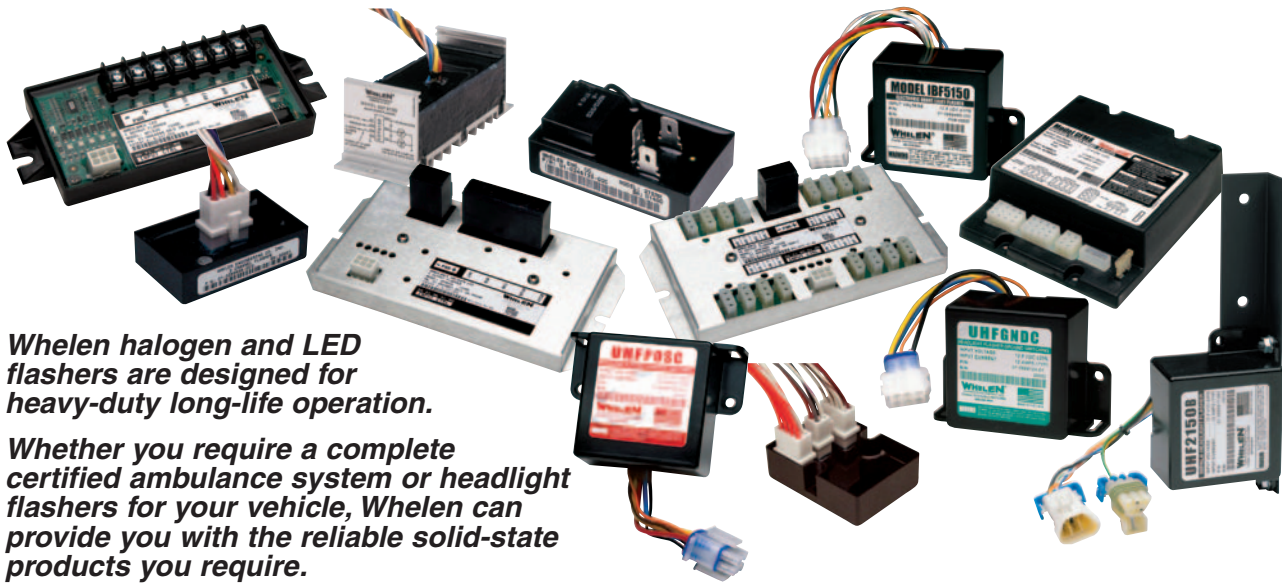


**NEW** PRODUCT!

# Halogen and LED Flashers

## HEADLIGHT, GRILLE LIGHT & SYSTEM FLASHERS

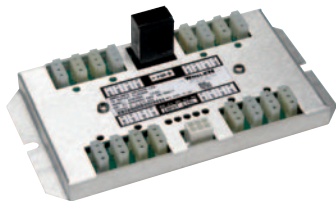


*Whelen halogen and LED flashers are designed for heavy-duty long-life operation.*

*Whether you require a complete certified ambulance system or headlight flashers for your vehicle, Whelen can provide you with the reliable solid-state products you require.*

**NEW!**

Three new KKK-E certified ambulance flashers provide input controls for KKK-1822A Mode 1 and Mode 2 operation, Scan-Lock™ multi-flash patterns, and Low Power mode. All outlets are high side driven. All models provide LED service indicators and have a two year warranty.



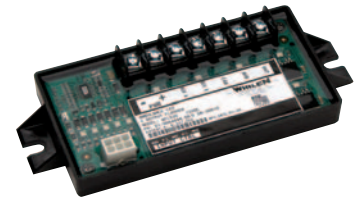
### **AFM1660**

Two wire design 16 outlet halogen, LED or Super-LED® ambulance flasher. Each outlet will operate up to a 65 watt lamp (5 amps). Short circuit and thermal protected. For interior use only. AMP Mate-N-Lok® connectors.  
Dimensions: 5/8" (15mm) H x 7-1/4" (184mm) W x 3-3/4" (95mm) D.



### **AFM560**

Five outlet Halogen, LED or Super-LED ambulance flasher. One wire design using a quick install, high current terminal block. Three outlets will operate up to four 65 watt lamps (20 amps); two outlets will operate two 65 watt lamps (10 amps) for a total of 520 watts or 40 amps. Short circuit and thermal protected. Ground wire may be chassis grounded for ease of installation. For interior use only.  
Dimensions: 5/8" (15mm) H x 7-1/4" (184mm) W x 3-3/4" (95mm) D.



### **AFL530**

Five outlet LED or Super-LED ambulance flasher. One wire design using a quick install 5-position screw terminal block. Three outlets will drive up to 10 amps each, and two outlets will drive 5 amps each, for a total of 20 amps. Short circuit and thermal protected. Ground wire may be chassis grounded for ease of installation. Encapsulated for heavy-duty, water resistant performance.  
Dimensions: 5/8" (15mm) H x 6-1/2" (65mm) W x 2-3/4" (70mm) D.



All Whelen Products  
are proudly made  
in the U.S.A

Form# FLSH0805

**WHELEN**®  
Engineers for the Emergency Warning Industry

FLASHERS - HALOGEN & LED

## UNIVERSAL HALOGEN & LED FLASHERS



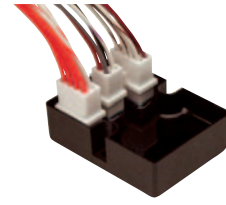
### UFM8

Eight outlet solid-state, Universal® Halogen-LED flasher, 60 watts per outlet. Selective switching system (2x2x2x2 switching) separately controls the operation of each pair. Seventeen selectable flash patterns including a Traffic Advisor™ pattern. Dimensions: 1-3/4" (44mm) H x 5-7/8" (149mm) W x 6-3/4" (170mm) D.



### ULF22

Economy LED or Super-LED® flasher. Two outlet, two channel flasher with 4 Scan-Lock™ flash patterns, each having an alternating, simultaneous, or alternating/simultaneous selectable sequence. Each outlet can drive up to 5 amps and is short circuit and thermally protected. Input controls include, Scan-Lock and Low Power. Encapsulated design for water resistance and rugged performance. Dimensions: 1-5/8" (41mm) H x 1-1/2" (38mm) W x 2-1/2" (64mm) L.



### ULF28

LED or Super-LED flasher with synchronization. Eight outlet two channel flasher with 5 Scan-Lock flash patterns. 4 flash patterns can be either selected as alternating, simultaneous sequences including an SSNF flash pattern. Each channel can drive up to 5 amps and is short circuit and thermally protected. Input controls include, Scan-Lock and synchronization. Encapsulated design for water resistance and rugged performance. Dimensions: 1-5/8" (41mm) H x 1-1/2" (38mm) W x 2-1/2" (64mm) L.



### 3TERM

Economical, two 20 amp outlet, three terminal, 240 watts per outlet flasher. Simultaneous or alternate flashing lights. Dimensions: 5/8" (15mm) H x 1-1/2" (38mm) W x 2-1/2" (64mm) L.

## HEADLIGHT & TAILLIGHT FLASHERS



### UBF5150

2004-2005 Ford Crown Victoria police package with OEM quick disconnect plugs. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



### UHF2150A & UHF2150B

Two outlet, 162 watts per outlet Headlight/Grille light flasher in a compact molded polycarbonate housing with external mounting flanges. For use on positive or negative headlight switching. Solid-state controlled relay output. Four flash patterns. UHF2150B is for 2002-2005 Chevy Impala police package only. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



### UHFPOS & UHFPOSC

Same specifications as UHF2150A except positive switching headlights only. UHFPOSC includes mating connectors with 18" pigtail and the Bi-Pass connect used when uninstalling headlight flasher. Both have 4 flash patterns. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



### UBF5150B

2003-2005 Chevy Impala police package taillight flasher, with quick disconnect plugs and 4 flash patterns. Includes mating connectors with 18" pigtail. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



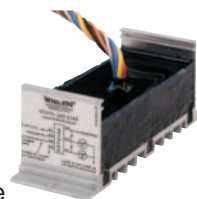
### UHFQND & UHFQND

Same specs as UHFPOS & UHFPOSC except negative switching headlights only. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



### IBF5150

2004-2005 Dodge Intrepid police package taillight flasher, with quick disconnect plugs. Dimensions: 3" (76mm) H x 1-1/2" (38mm) D x 4-3/16" (108mm) W.



### SSF2150

100% solid-state two outlet Headlight/Grille light flasher, 162 watts per outlet, for positive switching headlights, extruded aluminum housing. Fully encapsulated and waterproof. Dimensions: 2-1/16" (53mm) H x 2-1/8" (54mm) D x 5-5/8" (143mm) W.

## LED LIGHTHEAD OPTIONS

**LEDLOAD**, In-line "Load" Resistor Kit to Interface with OEM Turn Signal Circuit.

**52TRUNKT**, Trunk warning light installation kit for two 500 Series LED lightheads (purchased separately) for Crown Vic, Explorer and Expedition.

## SPECIFICATIONS

MODELS	UHF2150A UHF2150B UHFPOS(C) UHFGND(C)	SSF2150	UFM8	AFL530	AFM560	AFM1660	3TERM	ULF22	ULF28	UBF5150 UBF5150B IBF5150
<b>Construction</b>	Solid State Control	100% Solid State	100% Solid State	100% Solid State	100% Solid State	Solid State Relay	100% Solid State	100% Solid State	Solid State	Solid State
<b>Connection</b>	UHF2150 Bare Wire UHF2150B Impala Compatible Plug UHFPOS(C) Bare Wire with Mating Pigtail UHFGND(C) Bare Wire with Mating Pigtail	Wire Leads	Mate-N-Lok™ with Mating Pigtails	5 Outlet Terminal Block	5 Outlet Heavy-Duty High Current Terminal Block	Mate-N-Lok	Spade Lug	Mate-N-Lok with Pigtails	Mate-N-Lok with Pigtails	Quick Disconnect Plugs
<b>Number of Outlets</b>	2	2	8	5	5	16	2	2	**2 (8)	4
<b>Alt./Simult. Outlets (max)</b>	1x1	1x1	4x4	2x3	2x3	8x8	1x1	1x1	4x4	2x2
<b>Flash Patterns</b>	4	1	17	4	4	4	1	12	9	4
<b>FPM per Outlet</b>	55	55	Flash Patterns	75	75	75	75	Flash Patterns	Flash Patterns	55
<b>Input Voltage</b>	12.8 V	12.8 V	12.8 V	14.2 V	14.2 V	14.2 V	12.8 V	12.8 V	12.8 V	12.8 V
<b>Output Current per Outlet</b>	12 amps	12 amps	5 amps	3@10amps 2@5amps	3@20amps 2@10amps	5 amps	20 amps	5 amps	5 amps	5 amps
<b>Output Power per Outlet</b>	162 watts	162 watts	75 watts	3@142 watts 2@71 watts	3@284 watts 2@142 watts	71 watts	240 watts	65 watts	64 watts	64 watts
<b>Output Power Total</b>	324 watts	324 watts	600 watts	284 watts	568 watts	568 watts	480 watts	128 watts	128 watts	256 watts
<b>Operating Voltages</b>	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC	10-16 VDC
<b>Duty Cycle On/Off</b>	50%	50%	50%*	40%	40%	40%	50%	40%	40%	50%
<b>On/Off Control Switching</b>	Less than 150mA @ 12.5 VDC	Less than 50mA @ 12.5 VDC	Less than 50mA @ 12.5 VDC	Less than 20mA	Less than 20mA	Less than 20mA	n/a	n/a	Less than 50mA @ 13.5 VDC	Less than 150mA @ 13.5 VDC
<b>Weather Protection</b>	Encapsulated	Encapsulated	Protected Install	Encapsulated	Protected Install	Protected Install	Encapsulated	Encapsulated	Encapsulated	Encapsulated
<b>Highbeam Override</b>	yes	yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Night Time Cutoff</b>	yes	yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Certifications</b>	n/a	n/a	n/a	n/a	KKK-E	KKK-E	n/a	n/a	n/a	n/a

\* Dependent on flash pattern, 50% in alternating mode, 150 FPM in single flash

\*\*2 outlets with 3 wire pairs each.



**WHELEN**<sup>®</sup>  
ENGINEERING COMPANY, INC.

Route 145, Winthrop Road  
Chester, Connecticut 06412-0684  
(860) 526-9504 • Fax: (860) 526-4078  
Internet: [www.whelen.com](http://www.whelen.com)



*Whelen Engineering  
reserves the right to  
upgrade and improve  
products without notice.*

© 2005 Whelen Engineering Company, Inc.  
Printed in U.S.A. Form No. 11151D-0805