

ISP4HS

**SNOW, SUN & FOG COMBINATION STROBE/HALOGEN
POWER SUPPLY (PATENT PENDING)**



Diagnostix
indicator
panel



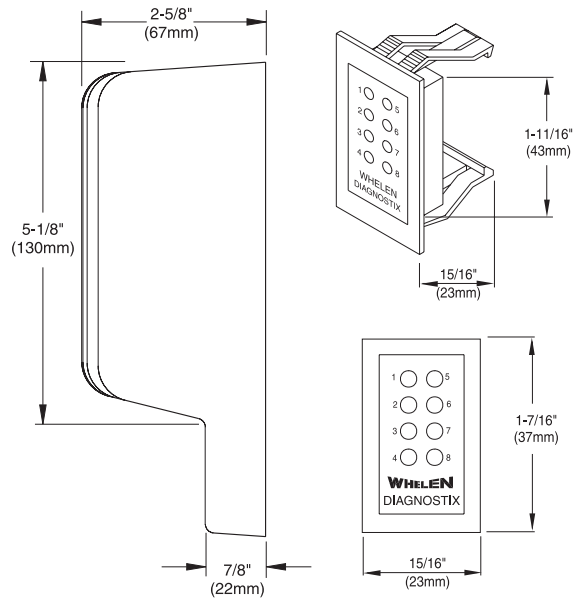
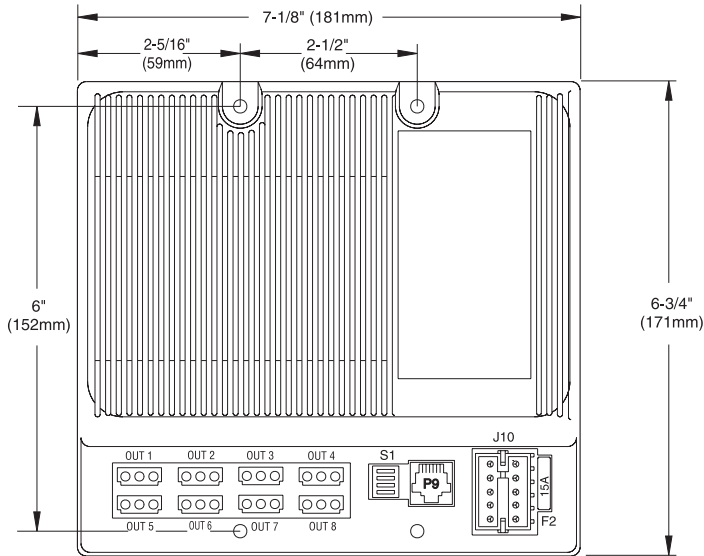
The first combination technology power supply in the business offers new capability and added choice in matching warning light operation to weather conditions.

FEATURES

- Synchronized strobe and halogen operation reduces flashback stroboscopic effects exaggerated by snow and fog conditions.*
- Independent Strobe and Halogen operation, each with 2x2 outlet control.*
- Four outlet, true 90 watt output strobe power supply.
- Four outlet halogen flasher, 35 watts per outlet, 75 FPM per outlet, 50% duty cycle.
- Real-time Diagnostix™ verifies both strobe/halogen lighthouse operation on combination LED indicator panel.*
- Four externally selectable strobe flash patterns: CometFlash®, Triple Flash, Double Flash, and Action Flash™.
- Remote Hi/low strobe intensity control.
- Field proven microprocessor based power supply design is stable on power-up and immune from false triggering.
- Auto-ranging input current and output power regulation eliminates strobe lighthouse intensity variations regardless of number of lighthouses in use.*
- Output short circuit protection prevents damage, turning power supply off in the event of improper output loading.
- RFI suppression - the quietest in the industry with less than 1dB signal degradation.*
- Rugged, die-cast aluminum housing.
- 12 VDC operation.
- AMECA Certified for SAE and California Title XIII.
- Five year, factory direct Heavy Duty Professional Warranty.

* A Whelen Exclusive

ISP4HS SPECIFICATIONS



SPECIFICATIONS

Input Reverse Polarity Protection	yes
Output Short Circuit Protection	yes
Low Power Control	yes ¹
Number of Outlets: Strobe	4
Halogen	4
Outlet Control: Strobe	2x2 (alternating or simultaneous)
Halogen	2x2 (alternating or simultaneous)
Operation	Strobe only, Halogen only or Synchronized Strobe and Halogen
Strobe Flash Patterns	4 ²
Strobe Flash Pattern control (external)	yes
Input Current Regulation	yes
Output Power Regulation	yes
Real Time Diagnostix™	yes ³
Diagnostic LED Indicator Panel	included ³
Warranty	5 year HDP

PHYSICAL DATA

Dimensions:2-5/8" (67mm) H x 7-1/8" (181mm) W x 6" (152mm) D
 Weight:2 lbs., 13 oz. (1.3kg)

AMECA CERTIFICATIONS⁵

SAEyes
 California Title XIIIyes

ELECTRICAL DATA - STROBE POWER SUPPLY

Input Voltage	12.8 VDC
Input Current (amps, 2 outlets/4 outlets active)	4.5a / 9a
Fuse (internal, solid state resettable)*9a
Input Power (watts: 2 outlets/4 outlets active)60 / 120
Output Energy, total (joules: 2 outlets/4 outlets active)36 / 72
Output Energy, per lamp ⁴ (joules)18
Output Power, total (watts: 2 outlets/4 outlets active)45 watts / 90 watts
Flash Rate, per outlet ⁴ (CFPM)	70
Flash Rate, per alternating pair ⁴ (CFPM)	140
Impulse Rate, per outlet ⁴ (FPM)280
Impulse Rate, per alternating pair ⁴ (FPM)560

ELECTRICAL DATA - HALOGEN FLASHER

Input Voltage	12.8 VDC
Input Current, active (2 outlets/4 outlets)	4.5a/9a
Fuse (chassis mount, supplied)*	15a
Output Power, active (2 outlets/4 outlets)70w/140w (4-35 watt halogen lamps, maximum)
Flash Rate, per outlet (FPM)	70
Flash Rate, per alternating pair (FPM)	140
Flash Rate Duty Cycle	50%

*Installation requires customer supplied 15a in-line fuses (2) at battery.

Notes

- Low power control via external control. Choice of latched or level inputs via external dip switch configuration. **For automatic Hi/Low operation, use optional Solar Centry™.**
- Strobe Flash Patterns, via external control: CometFlash®; Triple Flash; Double Flash; Action Flash™
- 8 LED Diagnostic indicator panel has 4 Yellow LEDs indicating halogen lighthouse operation and 4 Red LEDs indicating strobe lighthouse operation. Includes 25' telephone type cable and jacks for connection between power supply and LED panel.
- Based on CometFlash flash pattern.
- Based on CometFlash flash pattern and use of appropriate Whelen strobe lighthouses. For additional information, contact factory.



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