



HAPS802

Harrington Auxiliary Power Supply ADA Compliant NAC Power Extender

Features:

- UL Listed (UL864)
- CSFM Approved
- MEA-NYC Department of Buildings Approved
- NFPA 72 Compliant
- Filtered and Electronically Regulated Output
- Separate Auxiliary output with built-in and remote reset capability
- Built-in Charger for Sealed Lead Acid or Gel Type Batteries
- AC Fail Supervision (Form "C" Contact)
- Battery Fail Supervision (Form "C" Contact)
- Thermal and Short Circuit Protection with Auto Reset
- LED's indicate Alarm and loop fault per output
- Two NC dry contact trigger inputs
- Two-wire horn/strobe Sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate.
- Temporal code 3, Strobe Sync Mode, Steady Mode, Input to Output Follower Mode
- March Time
- AC Fail supervision (form "C" contact) Factory set 1 minute with optional 6 hour delay setting (field selectable)
- 50 mA auxiliary output with built-in and remote reset capability.

Power Requirements:

Operating Voltage	115 VAC / 3.2 Amps @ 60Hz
Battery	For 12 VDC operation use One 12VDC / 12AH battery For 24 VDC operation use Two 12VDC / 12AH battery
Standby Current	75mA
Alarm Current	Max 8 Amps

Specification:

Input from FACP	Two style Y (Class B)	12 VDC or 24 VDC
	Two style Z (Class A)	12 VDC or 24 VDC
Output 8 Amps Total	Four style Y (Class B)	12 VDC or 24 VDC max 2 Amps per circuit 2.2k EOL
	Two style Z (Class A)	12 VDC or 24 VDC max 2 Amps per circuit
AC Fail Relay	One form C Relay	1A at 28 VDC or 1A at 115 VAC
Battery Fail Relay	One form C Relay	1A at 28 VDC or 1A at 115 VAC

Visual/Diagnostic Indicators:

	LED's	OFF	ON	BLINKING
Outputs 1 - 4	Red	Normal	Alarm Condition	Trouble Condition
Inputs 1 - 2	Green	Normal	Alarm Condition	Trouble Condition
Fault	Red	Normal	System Trouble	N/A
AC	Green	AC Loss	AC present	N/A
DC	Red	No DC Output	DC present	N/A

Switches:

Function	Switch Positions		Descriptions
Input/Output Select	4	-----	Output will be controlled by input 1 (IN1)
	-----	4	Output will be controlled by input 2 (IN2)
Input to Output Follower Mode	1	-----	Output follows signal on input
	-----	1	Disable input to output follower mode
Temporal Code 3 Mode	3	-----	Temporal signal on output (steady or pulsing input)
	-----	3	Disable Temporal signal on output
Steady Mode	-----	1,2,3	Steady output signal on output (steady or pulsing input)
March Time	2,3	-----	March Time output 60 beats per min.(steady or pulsing input)
Amseco Sync Mode*	1,3	-----	Designed for Amseco horns, strobes and horn/strobes to provide the sync of temporal coded horns, sync the flash timing of the strobes
Faraday Sync Mode*	2,4	-----	Designed for Faraday horns, strobes and horn/strobes to provide the sync of temporal coded horns, sync the flash timing of the strobes
Gentex Sync Mode*	1,2,3,4	-----	Designed for GOS and ST/HS horns, strobes and horn/strobes to provide the sync of temporal coded horns, sync the flash timing of the strobes
System Sensor Sync Mode*	1,2,4	3	Designed for SpectrAlert horns, strobes and horn/strobes to provide the sync of temporal coded horns, sync the flash timing of the strobes

Note: The 2-wire horn/strobe sync mode will only sync horns, strobes and horn/strobes with sync capability

* It is required to control strobes via input 1 (IN1) and horns via input 2 (IN2). This allows horns to be silenced while strobes continue to operate.

	SW1	SW2	
Output Configuration	Open	Open	Style Y (Class B)
	Closed	Closed	Style Z (Class A)
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Power Supply Board	SW1		
DC Voltage	Closed	12 VDC operation	
	Open	24 VDC operation	
AC Fail	J1 IN	Reports in 1 minute	
	J1 Out	Reports in 6 hours	