REMOTE POWER SUPPLY — BPS-802

Features

- Power input 115VAC 60 Hz, 1.45 amp.
- Two (2) Class A or two (2) Class B FACP inputs
- Field selectable 24VDC or 12VDC voltage regulated power limited outputs
- Two (2) NC dry contact trigger inputs
- 24VDC or 12VDC rated @ 8 amp max total alarm current
- 2.5 amp max current per output
- Separate 1 Amp auxiliary output with built-in and remote reset capability
- Two (2) outputs may be paralleled for more power on an indicating circuit
- Programmable supervised indicating circuit outputs:Up to Four (4) Class B or Two (2) Class A or One (1) Class A and Two (2) Class BThermal and short circuit protection with auto reset
- Built-in charger for sealed lead acid or gel type batteries
- Automatic switchover to stand-by battery when AC Fails
- Zero voltage drop when switching over to battery backup
- PTC battery protection
- AC fail supervision (form "C" contact, 1 amp / 28VDC). Factory set for 1 minute with optional 18 hour delay setting (field selectable)
- Battery presence and low battery supervision (form "C" contact, 1 amp / 28VDC)
- Input and output status LED indicators
- 2 wire horn/strobe Sync mode allows audible notification appliances (horns) to be silenced while visual notification appliances (strobes) continue to operate
- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliances circuit)
- Horn/Strobe sync protocols include Mircom, Amseco, Gentex, System Sensor, Faraday and Wheelock
- March Time
- Compatible with 12 or 24VDC fire panels.
- Filtered and electronically regulated output
- Output loop supervision steered to input 1 or input 2
- Common trouble input and output
- Ground fault detection
- Unit includes power supply, red enclosure, cam lock, open frame transformer and battery leads
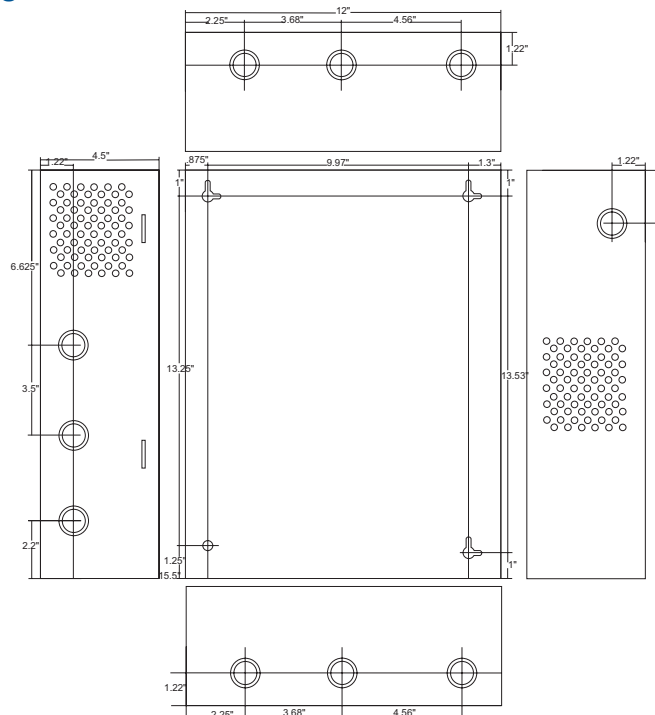
Description

Mircom's BPS-802 is an extremely cost effective 8 amp voltage regulated remote power supply/battery charger. It may be connected to any 12 or 24 volt Fire Alarm Control Panel (FACP). Primary applications include Notification Appliance Circuit (NAC such as strobes and horns) expansion support to meet ADA requirements. It also provides auxiliary power to support system accessories. The unit delivers regulated and filtered 24 or 12 volt power to Class B or Class A NAC loop circuits.

Additionally, a separate 1.0A auxiliary output with reset for four (4)-wire smoke detectors is available. The 8 amp rated supply current can be divided between the four (4) outputs for powering NAC devices. Each output is rated at 2.5 amp max., and can be independently programmed for Steady, Temporal Code 3 or Strobe Synchronization. All outputs may be programmed for Input to Output Follower Mode (output will follow input. i.e. March Time Input, March Time Output). An individual output of 4 amp is achieved by paralleling 2 outputs.

The BPS-802 in non-alarm condition independent loop supervision for Class A and/or Class B FACP NAC circuits is provided. In the event of a loop trouble the FACP will be notified via the steered input (input 1 or input 2). In addition, there are common trouble output terminals (N.C., C, N.O.) which are used to indicate general loop/system trouble. A common trouble input is provided for optional NC (normally closed) devices to report trouble to the FACP. Two (2) FACP signaling outputs can be employed and directed to control supervision and power delivery to any combination of the four (4) outputs. The unit also features "Loop Output" trouble memory indication to identify trouble some sporatic problems.

MEA approved

CATALOG NUMBER
5666

Power Supply Specifications

AC Input	115VAC / 1.45 amp @ 60Hz
Output	12 - 24VDC. Maximum 2.5 amp per output Total of 8 amp in Alarm Condition
Battery	For 12VDC operation use a 12VDC / 12AH battery For 24VDC operation use two (2) 12VDC / 12AH or two (2) 12VDC / 7AH batteries connected in series
Stand-by/Alarm Current:	75mA/150mA
EOL Resistor (end of line)	2.2K (2200 ohm)

Standby Specifications

Standby Batteries	Standby Time	Alarm Output Total Amp/Minutes	Aux Output Current
24VDC/12AH (use two (2) 12VDC batteries in series)	24 Hours	8 amp/15 Minutes	50mA
	60 Hours	8 amp/5 Minutes	-
24VDC/7AH	24 Hours	8 amp/5 Minutes	-
12VDC/12AH	24 Hours	8 amp/15 Minutes	50mA
	60 Hours	8 amp/5 Minutes	-
24VDC/36AH Battery	24 Hours	8 amp/15 Minutes	1 amp
12VDC/36AH Battery	24 Hours	8 amp/15 Minutes	1 amp

Enclosure Dimensions

15.5"H x 12"W x 4.5"D

Ordering Information

Model	Description
BPS-802	Nac Power Extender Input 120VAC Output 12/24VDC @ 8AMP Class 2
BPS-802/220	Nac Power Extender Input 220VAC Output 12/24VDC @ 8AMP Class 2

THIS INFORMATION IS FOR MARKETING PURPOSES ONLY AND NOT INTENDED TO DESCRIBE THE PRODUCTS TECHNICALLY.

CAT. 5666

Rev. 3