



Description

Mircom's BPS-1100 Signal Booster Power Supply is designed to extend the power capabilities of existing indicating circuits and to provide power for other ancillary devices. The BPS-1100 may be connected to any ULC Listed Fire Alarm Control Panel to provide indicating circuit expansion.

The BPS-1100 consists of four indicating circuits, which can be expanded up to twelve with the addition of two SGM-1004A Four Indicating Circuit Module. Each indicating circuit is rated at 1.7 Amp maximum with a total output capacity of 11 Amps. The outputs may be configured as four Class A/B (Style Z/Y).

The BPS-1100 will also support additional relay circuits with the addition of the RM-1008A Eight Relay Circuit Module. The RM-1008A is normally used for interconnecting multiple BPS-1100 units.

Mircom's BPS-1100 provides four supervised programmable contact inputs, trouble and local ground detection output contacts and support for supervised and non-supervised suite isolators.

Features

- Four 4 Class A/B (Style Z/Y) Indicating Circuits with individual trouble indicators (1.7 Amps max. per circuit)
- Each Indicating Circuit can be configured as Steady, Temporal Code, California Code or March Time Alert
- Four supervised programmable contact inputs
- Indicating Circuits may be individually disconnected by a DIP switch
- Auxiliary relay contacts for Booster Ground Fault and Common Trouble (Each relay contact Form C, 28 VDC @ 1 Amp (resistive))
- Easy configuration via push buttons and DIP switches on the front panel
- Extensive Transient Protection
- 11 Amp maximum unregulated output
- Supports supervised and non-supervised suite isolators
- Indicating circuits can be expanded up to twelve with two SGM-1004A
- Regulated auxiliary 24VDC Output (1.7 Amp)
- Space for 6 to 17 AH battery

The indicating circuits on the BPS-1100 can be configured for Alarm (Silenceable), Evacuation 2nd Stage (Silenceable) or Strobe (Non-Silenceable) and correlated to the programmable contact inputs.

The indicating circuits can be configured for the following audible signal rates: Steady, Temporal Code, California Code or March Time Alert.

The BPS-1100 is enclosed in a beige colour cabinet and comes with a durable CAT-30 lock and key. The BPS-1100 contains its own battery charger capable of charging up to 24 AH batteries. The cabinet provides space to mount up to 17 AH Gel Cell batteries. For larger batteries the BC-160 Battery Cabinet is required.



Specifications

AC Line Voltage:

102 to 132 VAC. 4 Amps. (primary)

Power Supply Ratings:

12 Amps. max. (secondary)

For Indicating Circuits:

24VDC unfiltered, 11 Amps. max.

Battery:

24VDC, Gel-Cell/Sealed Lead-Acid

Charging Capability:

10-24 AH batteries

Current Consumption:

Standby: 200 mA, Alarm: 350 mA

Cabinet Dimensions:

26"H x 14½"W x 4½"D

Battery Space:

Up to two 17 AH batteries

(Larger batteries require a BC-160 Battery Cabinet)

Auxiliary Relays: (resistive loads)

Common Alarm: Form C, 1 Amp, 28 VDC

Common Supv: Form C, 1 Amp, 28 VDC

Common Trouble: Form C, 1 Amp, 28 VDC

Ordering Information

Model	Description
BPS-1100	Signal Booster Power Supply

Adder Modules

SGM-1004A	Four Class A/B (Style Z/Y) Indicating Circuit Module (Rated at 1.7 Amps per circuit)
RM-1008A	Eight Relay Circuit Module (Form C relays rated for 28 VDC @ 1 Amp. max. per circuit)

Batteries

BA-1065	Battery, 12 VDC, 6.5 Amp Hour (2 required for 24 volt operation)
BA-110	Battery, 12 VDC, 10 Amp Hour (2 required for 24 volt operation)
BA-117	Battery, 12 VDC, 17 Amp Hour (2 required for 24 volt operation)

NOT TO BE USED FOR INSTALLATION PURPOSES.



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