

# Self-Contained 120/240 Vac Power Supply

For AnaLASER II® Detectors



A UTC Fire & Security Company

F-89-258

## FEATURES

- UL Listed
- FM Approved
- ULC Listed
- CSFM Listed
- NYC MEA Approved MEA 60-02-E
- 120 or 240 Vac Input
- 24 Vdc Output
- 4 Hours of Battery Backup
- Integral Battery Charger
- Fully Supervised
- Easily Integrated with an AnaLASER® II Detector

## DESCRIPTION

The Self-Contained 120/240 Vac Power Supply Assembly provides supervised 24 Vdc power with 4-hour backup for a single AnaLASER® II Detector. The universal input accepts either 120 Vac or 240 Vac input voltage and does not require manual voltage selection to operate in either range.

The Self-Contained 120/240 Vac Power Supply Assembly is designed with a matching enclosure to attach to the bottom of an AnaLASER II Detector to create a Self-Contained AnaLASER II Detector Assembly.

The enclosure holds the power supply/battery charger and two sealed lead-acid batteries. This will provide power with 4 hours battery back-up for an AnaLASER II Detector, making it ideal for single zone detection applications in a facility with emergency power systems.

The power supply/battery charger supervises the input AC power, the batteries and the battery charger. A trouble signal provides power supply supervision to the AnaLASER II Detector. There are no controls on the power supply.

The Self-Contained AnaLASER II Detector Assembly is designed for surface mounting with a painted steel back-box and a light gray polycarbonate cover. All wiring from the power supply to the Detector is routed through matching knockouts on the top of the power supply and on the bottom of the AnaLASER II Detector.

The power supply is listed and approved as a smoke detector accessory.



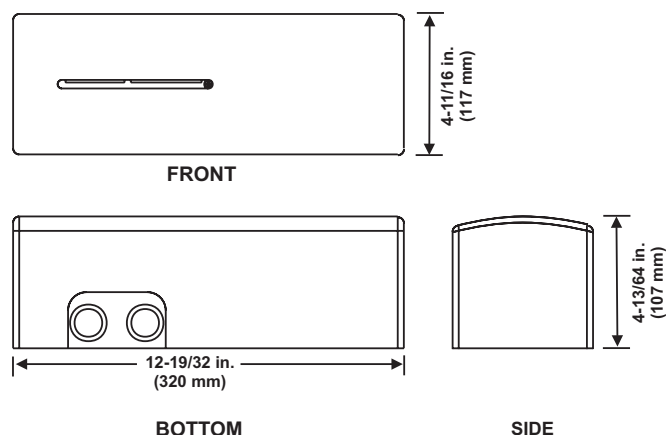
## POWER SUPPLY TECHNICAL SPECIFICATIONS

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| <b>Input Voltage:</b>            | 120 or 240 Vac 50/60 Hz.<br>Must be fed from an emergency power circuit.      |
| <b>Maximum Input Current:</b>    | 33 mA @ 120 Vac<br>200 mA @ 240 Vac                                           |
| <b>Operating Temperature:</b>    | 32° to 120°F (0° to 49°C)                                                     |
| <b>Operating Humidity:</b>       | 10 to 93% RH,<br>(non-condensing)                                             |
| <b>Output Voltage:</b>           | 28.75 Vdc                                                                     |
| <b>Output Current:</b>           | 1 A maximum                                                                   |
| <b>Battery Charger Voltage:</b>  | 27.3 Vdc                                                                      |
| <b>Battery Charging Circuit:</b> | 500 mA                                                                        |
| <b>Trouble Output:</b>           | Normally closed TTL Logic                                                     |
| <b>Electrical Connections:</b>   | 18 to 14 AWG (0.75 to 2.08 mm <sup>2</sup> ) wiring to terminal block         |
| <b>Shipping Weight:</b>          | 7.4 lb. (3.4 kg)                                                              |
| <b>Dimensions:</b>               | 12-19/32 in. W x 4-35/64 in. H x 4-1/4 in. D (320 mm W x 115 mm H x 108 mm D) |

## SBATTERY TECHNICAL SPECIFICATIONS

|                         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| <b>Nominal Voltage:</b> | 12 Vdc                                                                         |
| <b>Capacity:</b>        | 2 Ah                                                                           |
| <b>Construction:</b>    | Sealed Lead-Acid                                                               |
| <b>Termination:</b>     | 0.187 quick disconnect terminals                                               |
| <b>Dimensions:</b>      | 5-29/32 in. W x 3-1/2 in. H x<br>25/32 in. D (150 mm W x<br>89 mm H x 20 mm D) |
| <b>Shipping Weight:</b> | 1.54 lb. (0.7 kg)                                                              |

## MECHANICAL DRAWINGS



## ORDERING INFORMATION

| Component                                                                                                    | Part Number   |
|--------------------------------------------------------------------------------------------------------------|---------------|
| Self-Contained 120/240 Vac Power Supply Assembly. Consists of:<br>(1) 89-300008-000 and<br>(2) 89-300023-001 | 89-300008-001 |
| Self-Contained 120/240 Vac Power Supply with Enclosure Only                                                  | 89-300008-000 |
| 12 Vdc, 2.0 Ah Battery                                                                                       | 89-300023-001 |

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