



VPS-220

AIR SAMPLING POWER SUPPLY



P/N: 19078 

Standard Features

- IEN54-4 Compatible
- Temperature compensated charging to maximize battery life
- Designed to blend in with VESDA® detectors
- Knockouts designed to line up with VESDA units
- Multiple battery back up configurations
- LED indication
- Relay outputs for connection to the VESDA general-purpose input.
- 230 to 110 VAC field selectable option

Overview

The VPS-220 Air Sampling Power Supply is designed primarily for the European and Middle East markets. It has been developed to enhance the appearance of a VESDA installation by utilizing a custom designed enclosure allowing the unit to blend in with the surrounding VESDA detectors.

Description

The VPS-220 is designed with the same foot print, color and layout as the VLP LaserPLUS and VLS LaserSCANNER, resulting in the power supply visually blending with the detectors.

Internally is an EN54-4 compatible Power Supply, battery space is available for 7, 12 or 14 amp-hour battery back up dependant on the load and back up time required.

With regard to installation, cable entry knockouts all line up with the VLP LaserPLUS and VLS LaserSCANNER enclosure allowing positioning of the power supply directly adjacent to the detector.

The front cover supports 2 LED's giving a quick visual indication of OK or fault condition.



Specifications

| | |
|------------------------------------|--|
| Input | 230 VAC (+10%—15%) factory default setting 110 VAC (+10%—15%) field selectable option |
| Power Output | 18-29 VDC 1.9 Amps continuous 2 Amps at 25°C |
| Load | 18-29 VDC 0.5 Amps continuous 1.9A Short Duration (ref EN54-4) |
| Dimensions (H x W x D) | 8.9 in x 13.8 in x 4.1 in (225 mm x 350 mm x 105.2 mm) |
| Temperature | 23°F to 104°F (-5°C to 40°C) ambient |
| Humidity | 10—95% RH non-condensing |
| IP Rating | IP 30 |
| Batteries (Supplied separately) | Either: 2 x 12V, 7Ah or: 2 x 12V, 12 Ah or: 4 x 12V, 7 Ah |
| Indications | OK: green LED Fault: yellow LED Internal and External |
| Fault Relay | Change-over NO-COM-NC 2A @ 30 VDC |
| Fuse Rating | Input: 3.15A Non Serviceable Battery fuse: 3.15A Current limiting: >2A |
| Cable Entries | 5 off 25mm knockouts Various positions to match LaserPLUS |
| Finish | Powder Coat Semi-Gloss |
| Colour | Light Grey - RAL 9018 |
| Mounting | 4 x 0.22 in (5.5 mm) holes on 318 x 175 centers |

Ordering Information

| Model | P/N | Description | Ship Wt. lb (kg) |
|------------------|-------|---------------------------------|---------------------|
| VPS-220VC EMK | 19078 | Power Supply 230 VAC (European) | 8.0 (3.6) |

Note: Approvals/Listings maintained by and manufactured by Xtralis AG.

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