Glass-Fronted 19” Subrack Enclosure
To compliment the VESDA range of detectors, displays and programmers a 19 inch Subrack enclosure is available. The 19 inch rack enclosure is designed to house up to 12 display and/or programmer modules, VESDAnet sockets, or relay only modules in a wide variety of configurations to suit the particular requirements of a site where centralized control and monitoring of the VESDA LaserPLUS system is required.

Modular System
VESDA Aspirating Smoke Detectors are available in a wide range of configurations to suit the particular requirements of each site. The system is modular with Display and Programmer Modules located in the most convenient location. The backbone to this modularity is VESDAnet, a fault tolerant RS485 communications loop which links all elements of the LaserPLUS system together.

Mounting Options
Display and Programmer modules can be mounted in a Detector Enclosure, in a Remote Box or in a 19 inch Subrack. A Programmer Module can also be mounted in a Hand-held unit which can be temporarily connected to any LaserPLUS Detector.

Details of these standard mounting options are given in the Detector, Display and Programmer Data sheets.

Relay Signalling
Each Display Module can be configured to drive relays which can be used for reliable (fault tolerant) signalling of Fire and Fault conditions to external systems.

Standard Display Modules can drive 7 relays while Scanner Display Modules can be configured to drive 7 or 12 relays. Relay functionality is fully configurable according to site requirements.

19” Rack Enclosure
19” Subracks can be installed in glass fronted enclosures. 19” Subracks are mounted on a swing frame for convenient connection of all the cables.

Cable entry for 24 VDC power, VESDAnet connection and interfacing to the relays is provided by multiple knock-outs on all four sides of the box. 19” Subracks and blank panels must be ordered separately. Each enclosure will accommodate up to 3 subracks. If utilizing only 1 or 2 racks the VESDA Power Supply (VPS-100-US-xxx) can also be mounted in the enclosure.
Specifications

Construction:
- NEMA 1 Rating
- 16 gauge cold roll steel
- Fully welded and ground
- Double knockouts
- Continuous hinges with stainless steel pins
- Full size window kit – lockable
- Door – lockable (keyed alike with window)

Mounting:
- Key hole mounting

Finish:
- 2-part polyurethane – bake on textured finish

Color:
- Light grey

Locks:
- Keyed alike Chicago locks

Blanking Plates:
- 14 gauge cold roll steel
- Light grey matching color
- Single plate – 19 x 5 1/4”
- Double plate – 19 x 10 1/2”
- Enclosure requires 4 10 1/2” screws for mounting 19” rack and/or blanking plates.

Ordering Information:
- Rack Enclosure: VRE-100
- Blank Plate (single): VRE-001
- Blank Plate (double): VRE-002

VESDA® 19” Subrack Enclosure

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