

The IP-EV Bio Unit Enclosure



The cost of Data, ordinarily outweighs the cost of any other asset a company can have in today's world. Thus, it is imperative that it is amply protected against theft, fire, water etc.

Adlerac' design experts have engineered a first-class all-rounder solution which features the

..best of both worlds...

Incorporating the EV or Environmental Enclosure's, versatile interior containment with high quality Ingress Protected (or NEMA) features built to the required standard of protection needed against rust & corrosion, moisture, dust and/or impact, and against intrusion from foreign bodies.

EV Enclosures

The "EV Enclosure" stands for Environmental Enclosure, and is essentially an enclosure which secures, manages and controls its own internal environment. .It is an access controlled server rack which is self-contained with a secure environment hosting all of the features which you would typically find in a well thought out "computer room".

The 'Environment' of the enclosure's interior is monitored, using state-of-the-art technology and gear. The Enclosure is specifically designed to accommodate internally mounted air-conditioning, critical for the management and control of the enclosure's Interior environment.

The EV enclosure is modular in design, thus allowing for expansion to meet the needs of the amount of hard gear and equipment needing storage and protection. This allows a single, double, triple or quad set of EV Enclosure grouping, thus proving a cost-effective solution designed to meet different requirements.

The EV Enclosure is a high-security enclosure preventing unwanted intrusion. The level of security can be selected, using bio-metrics, including Retina Pattern Biometric Systems, Voice Patterns Biometrics Systems, or Fingerprints Biometric systems.

The EV Enclosure can be provided with an early-warning system, by installing a remote monitoring unit, which measures temperature, humidity, dew point, airflow, and audible sounds (e.g. alarms). This active monitoring, early detection and instant alerting system can graph abnormalities, record video, take pictures, and record sound clips as soon as intrusion is detected. All this information can be accessed remotely, and the unit sends out alerts and warnings via, SMS, E-mail, SNMP, FTP, HTTP and Web Services. Warnings are sent out as soon as one of the warning systems are triggered.

The EV Enclosure is designed with insulated and removable panels, and cable distribution systems allowing for easy management and control of cabling and access. All parts are either epoxy powder coated, or plated – to exude a superior finish. Your company logo can be branded on the front of the plexi-glass door.

Contact one of our enclosure specialists, for an exciting preview of an exclusive, yet cost-effective all-in-one solution for your server enclosure needs.

Specifications

Sheet steel door at front (180°), with comfort handle for semi-cylinder and security lock 3524E; sheet steel door at rear (130°) with handle and security lock 3524 E.

Construction and manufacture

- The construction of the Cabinet' Structure is Rigid – it is full through Tig welded, and manufactured in 2.0mm Mild Steel and has an Epoxy Powder Coated finish.
- Doors are manufactured in 1.6mm Mild Steel and have an Epoxy Powder Coated finish.
- Doors have a 3-Point Swing-handle key-lock System.
- Hinges are Solid-Brass for higher security.
- The construction of the Cabinet is Rigid

Compliance

The I.P – EV Bio Unit complies to the Electronic Industries Alliance (EIA)'s - 310D Standard for 19" Racking. It defines a 1.75-inch (44.45mm = 1U) 'rackspace' height, and a 19-inch (482.6mm) width to make equipment interchangeable within common housings.

It also complies to the German Institute of Standardisation or DIN (Deutsches Institut fur Normung e.V.)'s 41494 SC48D Standard for 19" Racking.

Different Solutions Available

According to the level of security and/or protection, you can make your selection from the following options:

Lighting Solution:

- High Quality Osram LED Lighting is wired into the Unit, providing sufficient light, operates on triggers set either by door contactors or electrical locks.

High Security Solution:

- A Sagem fingerprint scanning Biometrics unit, with keypad is installed (This biometrics unit is proven to be one of the leading brands in the world, and is used for government security worldwide.)
- A high-security Electronic 3-Point is installed with the Biometrics unit, in addition to the standard locking system.
- A back-up battery is installed for the Electronic Locking System.

Remote Access Early Warning & Monitoring Solution:

- A Netbotz Unit is Installed, which is invaluable to protecting Data.

Fire Extinguishing Solution:

- A Pyrora 2U Fire Detecting & Extinguishing Unit is Installed.

