

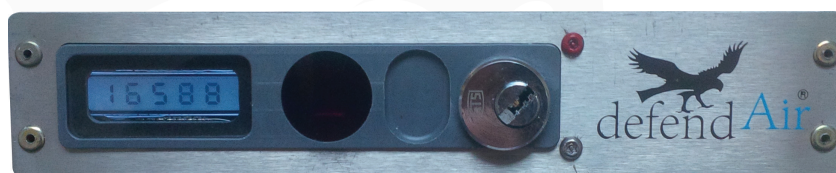


## Introduction to defendAir

defendAir has been developed specifically for the aviation industry as an evolution of the traditional lock and seal methods of securing high value aircraft carts and canisters from both opportunist and organised theft. This new level of protection, monitoring and identification prevents not only undetected access to remove products from catering equipment, but also the opportunity for prohibited items to be placed inside.

## Key Features

- Actively monitors container door OPEN, CLOSE, SEAL NUMBER (LOCK), UNLOCK, ATTACK, RESET & DOWNLOAD
- Display flashes 'ALERT' under attack conditions to WARN USER of tampering
- Memory records last 800 EVENTS
- Events recorded to precision of 1 SECOND
- INTEGRATES a NON-REPEATING ELECTRONIC RANDOM seal number generator & display with an ADDITIONAL LOCK into a SINGLE DEVICE INSTALLED WITHIN the protected equipment
- ALWAYS ON LCD Display, with touch activated backlight
- HIGH SECURITY protected key profile, with INTELLIGENT KEY OWNERSHIP/TAGGING
- Designed for use on manifest systems stored BOTH INSIDE and OUTSIDE the carts
- 10+ YEARS MAINTENANCE FREE BATTERY LIFE, with LOW LEVEL WARNING on seal display & download computer
- HI-SPEED, ERROR CHECKING IRDA transfer can download full log in UNDER 10 SECONDS
- Simple, TOUCH SENSOR operation
- Fully SEALED, SECURE, WATERPROOF and TAMPER EVIDENT enclosure
- REPLACES conventional disposable seals and padlocks
- DOES NOT IMPEDE on internal container load space of drawers/stock or cart weight
- All data stored in an ENCRYPTED, NON-MODIFIABLE format to create reports from



## Overview

The defendAir system is a single device supplied pre-installed on aviation catering equipment or as a retrofit to existing airline catering containers, designed to be more cost effective and environmentally sound than disposable seals and padlocks. This reusable electronic seal randomly generates and displays 5 digit, non-repeating seal numbers when used and defendAir also recognises if the container has been attacked or compromised and identifies this to the user.

The device replaces disposable seals and padlocks by integrating a clock-seeded, non-repeating electronic random number generator and display, a high security protected profile key lock with an intelligent monitoring and logging system which records every operation of the container by day, date and time. This device becomes part of the closing & locking mechanism of the container to which it is fitted.

Whilst defendAir's physical appearance provides a visual deterrent and its operation prevents unauthorised access, it is also capable of recognising when it has been forced open or if an attempt has been made to fool its sensors. In either case the date and time of these events will also be recorded and the display will report that an attack of this type has occurred to the user.

The usage data gathered on the seal allows staff to identify if and exactly when the container has been opened by unauthorised personnel, which can identify who was responsible for the container and where it was when the incident occurred. This protects the authorised staff that do have legitimate access to the containers from wrongful accusations of theft.

defendAir has been designed so that any malicious attacks made in attempt to destroy or sabotage the seal does not prevent use of the container that it is securing, thereby allowing on board sales and services to continue.



Enhance Security



Reduce Losses



Cut Costs



Decrease Waste



Monitor Activity



Deter Theft

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