

ALCOLOCK PRESENTATION

June 2010



An Introduction to PFK

- Privately owned South African company established in 1985
- 38% shareholding by South African Merchant Bank
- Subsidiaries in UK and Australia
- Supply to over 25 countries Internationally
- 65% of all products are exported
- 70% share - vehicle security aftermarket (South Africa)
- Full lifecycle solutions - from concept design to manufacture
- Strong research & development capability
- State of the art SMD production facility
- ISO/TS 16949 & ISO 14001 accredited
- 100% focused on automotive electronics
- Factory facility of 9500 s.q. meters
- Employs around 400 people



Specialists at Homologation

- Specialize in international homologations
 - These include European directives
 - EEC95/54
 - EEC95/56
 - ETS 300-320
 - ETS 300-330
 - Thatcham (UK)
 - VESA (SA)
 - TNO/NMI (Holland & Belgium)
 - TÜV (Germany)
 - FCC (USA)
 - VICC (Canada)
 - c-Tick (Australia)
 - EN50436-2 (ALCOLOCKS)



ALCOLOCKS

Alcohol sensitive vehicle immobilisation



**LEADERSHIP
THROUGH INNOVATION**

ALCOLOCK VARIANTS

- **WAB- Wireless Alcohol Breathalyzer**
- **TAB- Tethered Alcohol Breathalyzer**

ALCOLOCK SYSTEM -FEATURES

Two major components

1. BREATHALYSERS

- WAB – Wireless Alcohol Breathalyzer
- TAB – Tethered Alcohol Breathalyzer

2. VEHICLE BLOCKING SYSTEMS (VBS)

- VBS – Vehicle Blocking System (USB Data Download)
- RF VBS - Vehicle Blocking System (RF Data Download)

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WAB & TAB - FEATURES

Both WAB and TAB systems are fully configurable to meet both customer and market demands :

- Alcohol Level (Adjustable according to customer request)
- Menu configuration options
- Calibration menu (Fuel Cell circuit, Pressure, Humidity & Temperature sensors)
- Service and Supervisor PIN code access
- Breath Volume Sampling
- Breath Flow Sampling
- Circumventions

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VBS- FEATURES

The VBS – Vehicle blocking (IMMOBILIZER) system is also configurable to cater for the following features

- Start Up period
- Restart period
- Random sampling sequence
- Valet Mode
- PIN override
- Stores 4000 events (WAB) 16000 (TAB)
- GSM reporting (Optional)

ALCOLOCK SUPPORT SYSTEMS

Can be integrated into the following systems:

- Fleet Management systems
- GSM / GPS tracking systems
- GSM Paging systems

ALCOLOCK SUPPORT SYSTEMS

- System Configuration Software
- AMS – Alcolock Management System
- Data Downloading Software Packages for
 - WAB
 - TAB
 - VBS
 - RF VBS

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ALCOLOCK MANAGEMENT SYSTEM

Track and monitor all Alcolock installations

- Customer details
- Vehicle details
- Alcolock details WAB & TAB Serial numbers
- All technical and operational queries
- Calibration dates
- Ensures 100% mobility
- Reduces downtime to zero

ALCOLOCK AMS - Screen



ALCOLOCK RF VBS DATA DOWNLOAD



RF VBS will detect registered vehicles when they come within range and automatically synchronise to update vehicle data.

ALCOLOCK RF VBS DATA DOWNLOAD

Database Viewer

Working Directory: C:\VBS2\V98HUR\Events 1 to 365 on 14-07-10.xls

Database | VBS Details

Event Number	Date and Time	Alcohol Value	Event	TAB Serial Number
271	07/09/2010 11:53:00	0	Ignition ON	T11853
270	07/09/2010 11:52:53	0	Pass	T11853
269	07/09/2010 08:38:57	0	Ignition OFF	T11853
268	07/09/2010 08:27:52	0	Ignition ON	T11853
267	07/09/2010 08:27:49	0	Pass	T11853
266	07/08/2010 23:28:46	0	Ignition OFF	T11853
265	07/08/2010 23:27:23	115	Fail With driver change over time expired	T11853
264	07/08/2010 23:17:50	229	Driver Change Over Fail	T11853
263	07/08/2010 23:17:13	0	Circumvention - Insufficient Sample	P92000
262	07/08/2010 23:16:23	0	Driver change button pushed	T11853
261	07/08/2010 23:16:13	0	Ignition ON	T11853
260	07/08/2010 23:04:01	0	Ignition OFF	T11853
259	07/08/2010 23:03:58	0	Ignition ON	T11853
258	07/08/2010 23:03:43	85	Pass	T11853
257	07/08/2010 22:57:18	120	Fail	T11853
256	07/08/2010 21:08:49	0	Ignition OFF	T11853
255	07/08/2010 21:02:07	0	Ignition ON	T11853
254	07/08/2010 20:51:10	0	Ignition OFF	T11853

ALCOLOCKS

FLEET RISK ASSESMENT

- Knowing when and who are at risk
- Averting dangerous situations
- Reducing costs to bottom line
 - Accidents, Injuries, Damage, Downtime
 - By reducing company liability exposure

This can be prevented...





Thank You