EUREKA iD

Solution Overview

Driver iD

Eureka Driver-iD Authorised Driver System

Eureka Driver-iD
Driver-iD is an authorised driver system that allows only authorised personnel to drive selected vehicles.

Using active RFID technology, Driver-iD is a discrete and simple authorisation solution for both on and off road vehicles working in a variety of environments from the emergency services to quarries.

General capabilities:
- Identify drivers
- Improve safety
- Improve performance
- Reduce fuel consumption
- Reduce running costs
- Reduce theft of vehicles

System Operation
The system only allows the vehicle to start if an authorised driver (tag) is in the cab. It will shut the vehicle down if the vehicle is left in neutral for longer than a user specified time.

Operational Benefits
Driver-iD allows fleet operators to monitor the utilisation of vehicles through event logs and to reduce the idling times of vehicles as well as identifying a vehicle's driver.
Enabling operators to reduce costs and improve performance without compromising health and safety.
Additionally Driver-iD reduces the theft of vehicles by effectively immobilising the vehicle if no authorised driver is present in the cab when the vehicle is switched on.

System Components
The Driver-iD system consists of a robust control unit, RFID tags, a pre-tuned bi-phase antenna placed in the vehicle's cab and software to configure and monitor the system.

The Control Unit
Supplied in a metal case and fitted into a vehicle's cab, the control unit has an 868MHz antenna and requires a supply voltage of 12 or 24 Volts.
The unit is fitted with 4 relays that have individual adjustable timings, a key switch to disable the system and 2 inputs from the vehicle.

Control Unit Operation
The control unit uses a real time clock to log all tag and event activity.
An external device such as a laptop allows the system to be configured and monitored via an RS232 communications port.

The Tag
The RFID tag is enclosed in a ruggedised yellow ABS enclosure, which has a nominal range of 2 meters.
The enclosure has a reinforced steel ring and is supplied with a clip for easy attachment to authorised operators.

Software application
Driver-iD comes with a Windows 2000/XP compatible software application that allows the comms port to be selected, the date and time to be set and enables individual control units to be configured.
Timed event logs can be downloaded for analysis of a vehicles use and data can be written to and read from the control unit.
New or existing configuration settings files can be opened, closed, saved, updated and exited using the Driver-iD software application.

Authorised Driver System
Driver-iD allows vehicle and fleet operators to effectively monitor and manage the utilisation of vehicles, reduce running costs, improve performance and maintain higher levels of safety and security both on and off the road.

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