

Dock door control

An intelligent drive off prevention system...



...using the Traka iLock



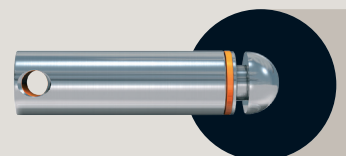
Cost effective and simple to use

- The trailer is isolated by "locking off" the airbrake line preventing re-coupling
- The intelligent iKey is only released when the lock is fitted to the airline connector
- The iKey activates the control panel allowing the door to be raised and is locked in place
- The door is closed and the iKey is released
- The iLock can be removed from the airbrake coupling

The system can only be operated by an authorised driver and an audit trail is created which records the drivers ID and the time the lock was activated and de-activated.

All of this is achievable as the memory chip within each iFob and iKey has a unique serial number, making each key different.

Individual iFobs are programmed to operate a specific door, thus ensuring the system fails to safety.



Intelligent control and safety management for loading bays

Our Dock Door management solution is a unique and easily installed drive off prevention system designed to stop vehicles prematurely leaving the Goods Out bays of a busy distribution centre – historically the source of many serious incidents within the industry each year.

When a HGV trailer is decoupled and parked against a loading bay door there is a heightened risk of “drive offs” whereby the wrong trailer is moved or pulled away from the bay door before the loading operation is complete. The implications, should this occur, are significant often resulting in serious injury and even death.

Traka’s intelligent iLock isolates the trailer and is interlocked directly with the relevant dock door control mechanism to ensure a safe working environment is maintained until the loading operation is complete.

How does it work?

The driver positions the vehicle against the assigned loading bay and, by inserting a personal iFob in a receptor socket, releases the iLock from a control cabinet (pictured) fixed to the outside wall of the dock door.

The iLock can only be fitted to the trailer airline coupling once the brake line has been disconnected, thus applying the brakes and preventing the trailer from being moved.

The action of fitting the iLock releases the intelligent iKey from within the iLock, which subsequently controls the operation of the dock door.



By inserting the iKey into a socket in the control cabinet a signal is sent to the warehouse staff that it is safe to operate the dock door.

The ikey is now locked in place in the outside control cabinet for the duration of time the dock door is open thereby preventing the driver from mobilizing his trailer and driving off. Only when the dock door is down, and the loading operation completed, can the personal iFob be reinserted to release the iKey so it can be removed and used to release the iLock from the trailer coupling, allowing the airbrake line to be reconnected.

The Traka iFob also records transaction data to allow information relating to the drivers details and time of use to be captured.

The system removes any ambiguity and the element of human error.

What are the benefits?

- Eliminate drive offs by ensuring that drivers cannot pull trailers away from Goods Out bays before the loading bay door has been made safe
- A fully audited system – drivers details and actions are recorded and traceable
- Increased safety compliance and safer use of shunter vehicles
- Improve warehouse security
- Minimise human error
- A fully integrated system offering both Goods In and Goods Out dock door control
- Reports can be generated and information stored indefinitely

