

Accurance 3D

Time of Flight tailgating and piggybacking detection system for interlocks



Features

- Analyses the X, Y, Z coordinates for all encountered objects in the detection area
- Topographic 3D data guarantees high accuracy rates
- Multiple or suspicious occupancy will not be granted access.
- Does not rely on any heat or light source
- Not affected by reflection or glare
- One control box can manage up to two sensors
- Can be integrated to an access control system via relay outputs

Accurance 3D is a tailgating detection system designed for high security two door interlocks. It adds a layer of security to the access control system by ensuring single occupancy inside the interlock.

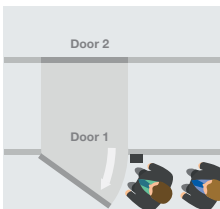
The security provided by an access control system is compromised if an authorised person is followed by an unauthorised one. Tailgating can lead to asset and intellectual property loss and risk to employee safety. Accurance 3D has been designed to analyse the airlock area and detect if more than one person is present.

Accurance 3D system comprises a control box and one sensor for unidirectional applications and two sensors for bi-directional applications. The sensor itself includes a set of infrared LED illuminators and a “time of flight” sensor.

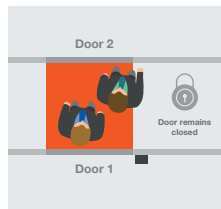
Applications: High security sites

- Data centres
- Chemical plants
- Nuclear plants
- Government
- Institutions
- Banking
- Healthcare
- Military & Defence
- Transport

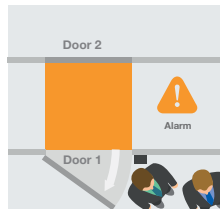
Piggybacking and tailgating detection with Accurance 3D: sequence of events explained



Authorised user presents his/her card and door 1 opens
A second individual follows the first one without swiping his/her card



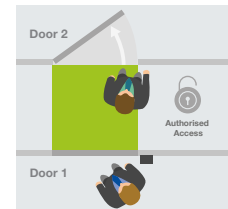
Door 1 shuts and Accurance 3D starts analysing the area inside the interlock
More than one person is detected and access is denied



Door 1 re-opens for the occupants to leave the interlock
The interlock is empty, the system can reset



Authorised user presents his/her card and door 1 opens.



Accurance 3D detects a single occupant in the interlock
Access is granted and door 2 opens