



Welcome to
Stansted Mountfitchet's Co-op



Safe Entry Flow

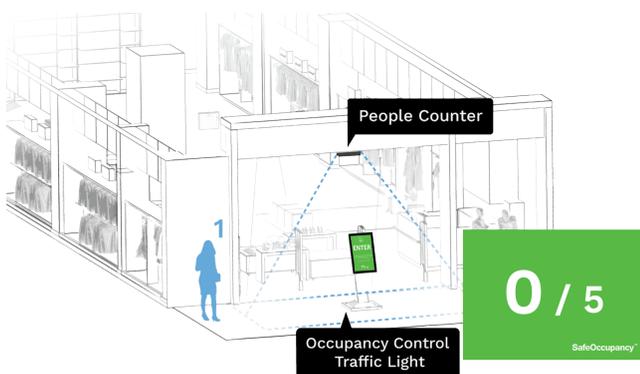
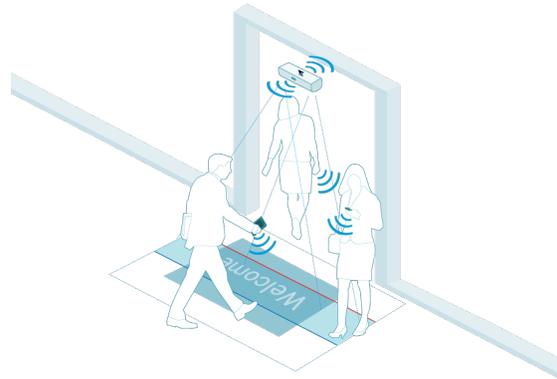
Digital counting to
manage people flow

Safe Entry Flow

What is it?

Safe Entry flow is a people counting system that utilises 3D and thermal imaging to capture footfall entering and exiting the premises. The system is linked to your automatic door operator, only allowing entry when the number of customers in store is within your pre-set range.

Both visible and audible signals are given via a traffic light system and sound box to guide the traffic flow. This is a networked solution with an Analytics Centre providing a wealth of valuable data for management and planning purposes.



Safety & Counting

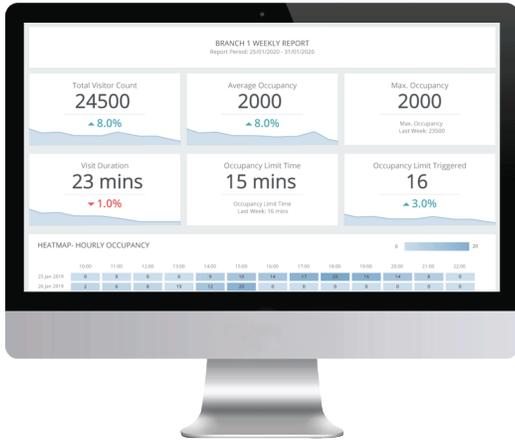
Due to the current public health situation, the UK government has issued instructions to retailers limiting the number of occupants in a store, to enable social distancing to be implemented to safeguard the wellbeing of both staff and customers.

dormakaba Safe Entry Flow enables retailers to meet this requirement via an automatic door solution. The Safe Entry Flow module is a core component of a sophisticated store management tool.

Real time occupancy tracking

Safe Entry Flow tracks the number of visitors entering and leaving the store to give an accurate figure of how many people are in a store at any given time. This number is compared with a predefined occupancy limit.

People counting is achieved via an optical counter that utilises 3D and thermal imaging rather than by the number of door openings which does not give an accurate count. By combining two imaging technologies, the counter can differentiate between people and objects such as pushchairs or store trolleys.



Data/Management Information

In addition to maintaining safety via accurate counting of live occupancy level and door control.

Safe Entry Flow generates data for business analysis (see table to the right). When reviewed together with sales data (generated elsewhere) it can quantify;

- Performance of a store - sales conversion rate.
- Benchmark stores within a group (where applicable) - Identify best performers and define areas of improvement for bad performers
- Impact of a marketing campaign
- Footfall data reporting by time of day establishes the best "shopper to staff ratio" and aids planning of staff rotas based on customer traffic.

Control through the door

A green light at the entrance doors will indicate that the premises is still within safe occupancy limits and access will be permitted. However, once the maximum occupancy has been reached the store entrance door closes and a red light is displayed.

The store entrance then remains closed to new entrants until someone leaves the store. The visual signals are complemented by audio messages that confirm the instruction.

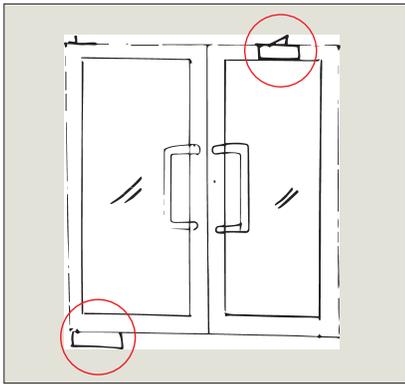
For stores with numerous entrances and exits, optical counters are placed at each door and configured through the automatic door controller, so the doors operate in a coordinated manner.

Visitor Count - Counting ins and outs	How long the visitor stayed in the store
Outside Traffic	Monitors the number of people passing the store and measures the turn in rate
Returning Customer	Measures how many are frequent visitors
Zone Analytics	Visualise the traffic flow in a specific zone

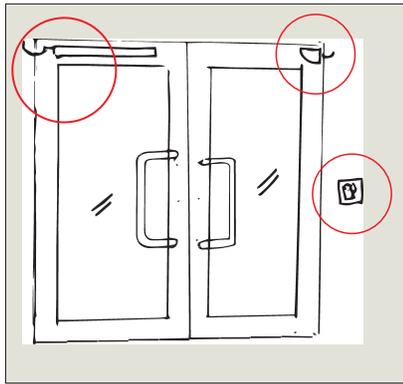
Technical Specification

Optical Counter	
Dimension	(W x D x H) 246 x 46 x 28 mm
Casing	Aluminium oxide alloy IP 31 rated
Power	POE 47V DC, 0.12A (6W)
Operating Environment	Temperature -40°C to 80°C Humidity 10% to 90%
Lens	2x 5MP resolution
Lens spec dependant on Mounting Height	Parabolic 140° for 2.2 meters – 2.4 meters 100° for 2.5 meters – 5.0 meters 65° for 5.0 meters – 7.0 meters
Output	5MP Omni vision 5647 module
Frame Rate	20fps – Very low resolution (320x240) Image – too low a resolution to identify any individual
Processor	1GB, 1.2GHz
Counting technology	3D depth mapping for counting NOT video
GDPR	Exempt as only anonymised data is collected

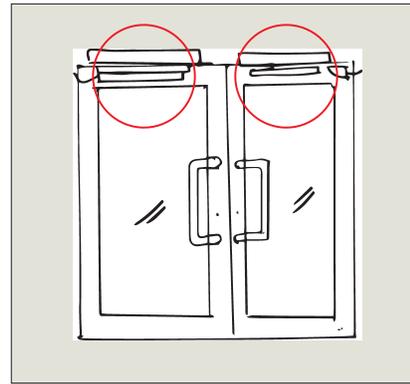
How dormakaba converts a manual door into a touch-free, automatic door in three simple steps



Step 1: Remove manual door closers



Step 2: Install safety and touch-free activation sensors.



Step 3: Install automatic door operators

Part of our hygienic solutions product portfolio



Touchfree Activation



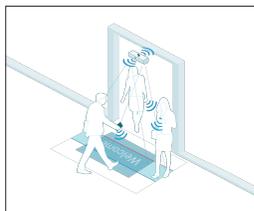
Safe Checkpoint Tower



Motion and Security Sensor



Card reader



Safe Entry Flow



Automatic Door linked sanitiser

dormakaba UK & Ireland

Wilbury Way
Hitchin
Hertfordshire
SG4 0AB

E: info.gb@dormakaba.com
T: +44 (0) 1462 477 600

www.dormakaba.co.uk