



INTELLIGENT DESTINATION CONTROL

ethos  
**NAVIGATOR**  
DESTINATION CONTROL

**tvc** *Thames Valley Controls*

Manor Farm Industrial Estate, Flint, Flintshire CH6 5UY

T: +44 (0) 1352 793222 E: [info@tvcl.co.uk](mailto:info@tvcl.co.uk)

[www.tvcl.co.uk](http://www.tvcl.co.uk)

ethos  
**NAVIGATOR**  
right place, right time



## ethos NAVIGATOR

DESTINATION CONTROL

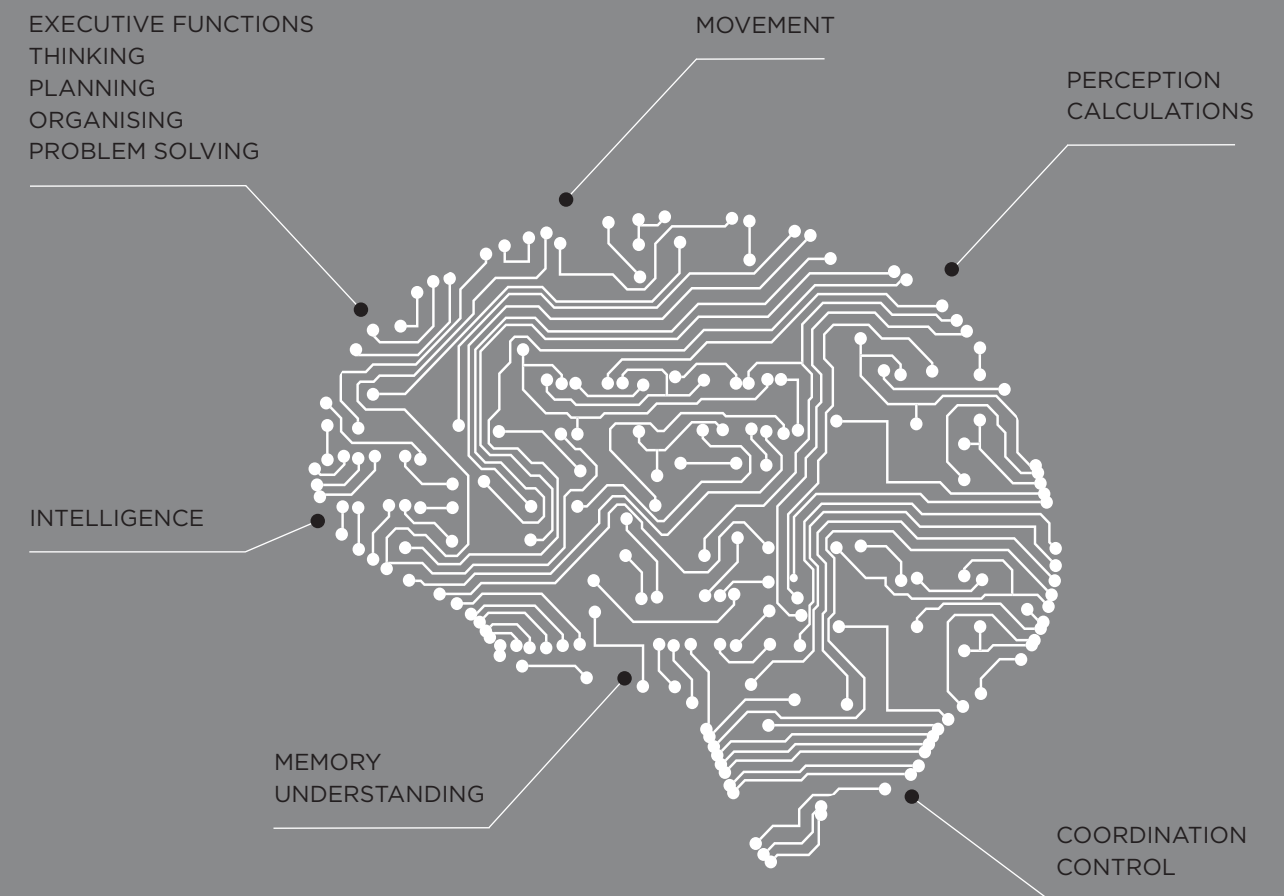
Thames Valley Controls was established in 1971 to serve the needs of the growing independent lift market in the UK and worldwide. TVC has since flourished as a specialist designer and manufacturer of lift control and remote monitoring systems. TVC provide high-technology lift control systems at competitive prices that ensure the building end-user and lift contractor has maximum choice.



Cost-effective, flexible, efficient, intelligent destination control.

Ethos Navigator Destination Control offers building owners a world-class, independent lift control system with local support providing customised design solutions.

TVC's accessible technology allows easy maintenance and gives building managers the freedom to choose lift contractors with the comfort of long-term manufacturer support.



## DECISIONMAKER

**Ethos Navigator uses unique intelligence to deploy lifts to get passengers to the right place, at the right time, making it an incredibly efficient lift control system.**

Ethos Navigator benefits from knowing the desired destination floor at the point when the passenger enters the lobby call. Powerful processors and a sophisticated algorithm effortlessly determine the most effective lift to transport the passenger to the selected floor.

A shorter time to destination and a reduction in wasted lift journeys improves passenger movement and reduces costs which is a major consideration in building management.

Ethos Navigator can also seamlessly integrate with building security systems to restrict floor access or to allocate lifts to passengers directly from the turnstile or speedgate.

Ethos Navigator responds to the needs of passengers with disabilities to provide stress-free building access for all.





traditional  
thinking

## CONVENTIONAL CONTROL

A popular analogy to describe the difference between Destination Control and Conventional Control is the benefit and convenience of a taxi compared to a bus.

Conventional lift control, where passengers select a direction from the landing and subsequently select a final destination from within the lift car, has served buildings well over many years.

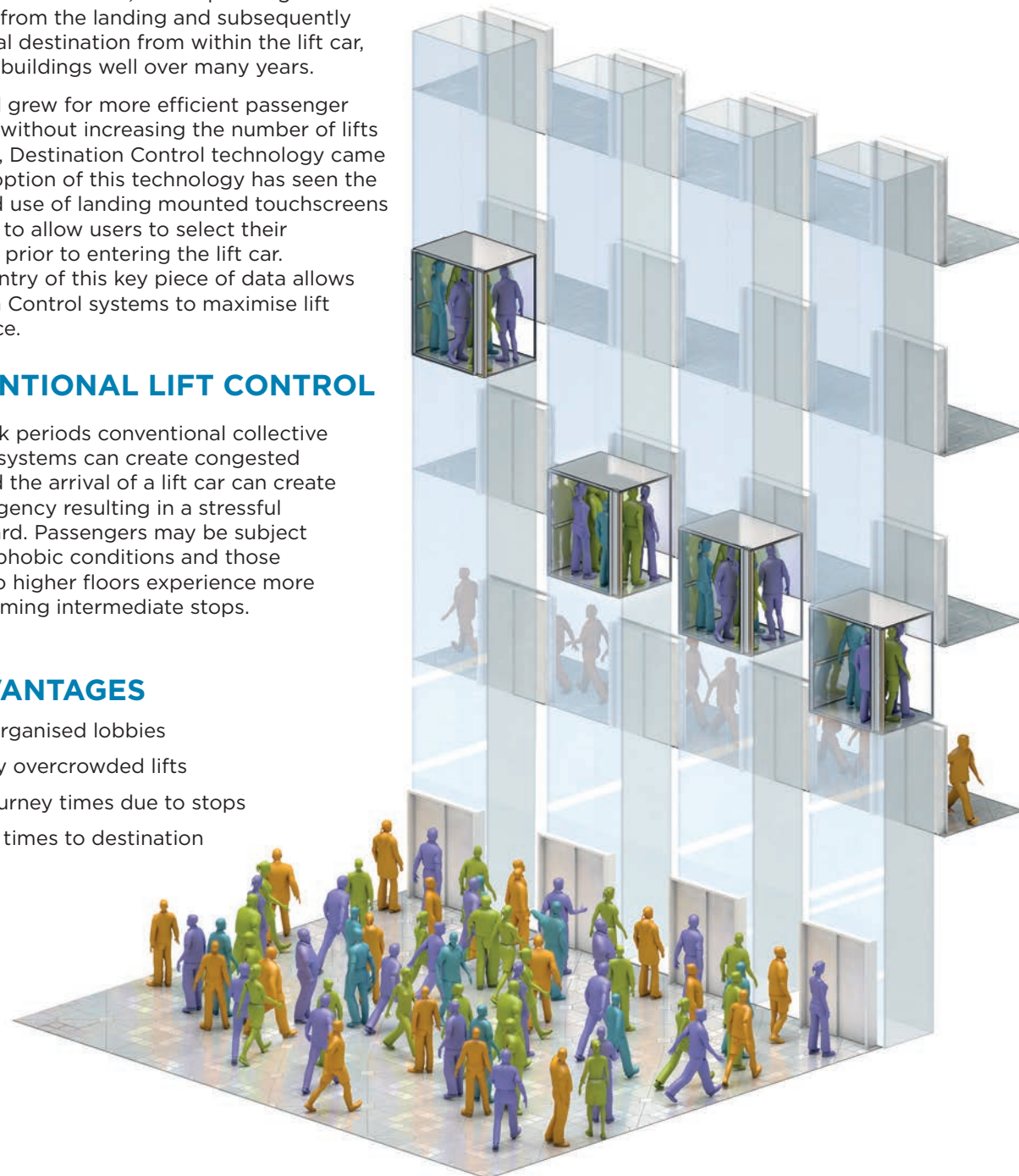
As demand grew for more efficient passenger movement without increasing the number of lifts or capacity, Destination Control technology came of age. Adoption of this technology has seen the widespread use of landing mounted touchscreens or keypads to allow users to select their destination prior to entering the lift car. The early entry of this key piece of data allows Destination Control systems to maximise lift performance.

### CONVENTIONAL LIFT CONTROL

During peak periods conventional collective lift control systems can create congested lobbies and the arrival of a lift car can create an air of urgency resulting in a stressful rush to board. Passengers may be subject to claustrophobic conditions and those travelling to higher floors experience more time-consuming intermediate stops.

### DISADVANTAGES

- Busy, disorganised lobbies
- Potentially overcrowded lifts
- Longer journey times due to stops
- Increased times to destination



progressive  
thinking

## ETHOS NAVIGATOR DESTINATION CONTROL

There are many factors which influence the efficiency of a lift system including the building population, layout, usage, floors served, the number of lift cars, their size and rated speed etc. but in general terms a Destination Control system will reduce passenger Time To Destination (TTD) and in particular, minimise main floor lobby crowds during peak conditions when there is a high volume of traffic entering the building.

Another key benefit is in buildings where there are lifts that do not all serve the same floors. With Ethos Navigator it is easy to integrate these lifts into the group thereby increasing overall performance.

### ADVANTAGES

- Faster clearing of lobbies in peak periods
- Structured lobby waiting
- Improved passenger information
- Improved traffic flow
- Enhanced security interface features
- Better integration of lifts into the group
- Reduced time to destination during the peaks
- Reduction in lift overcrowding

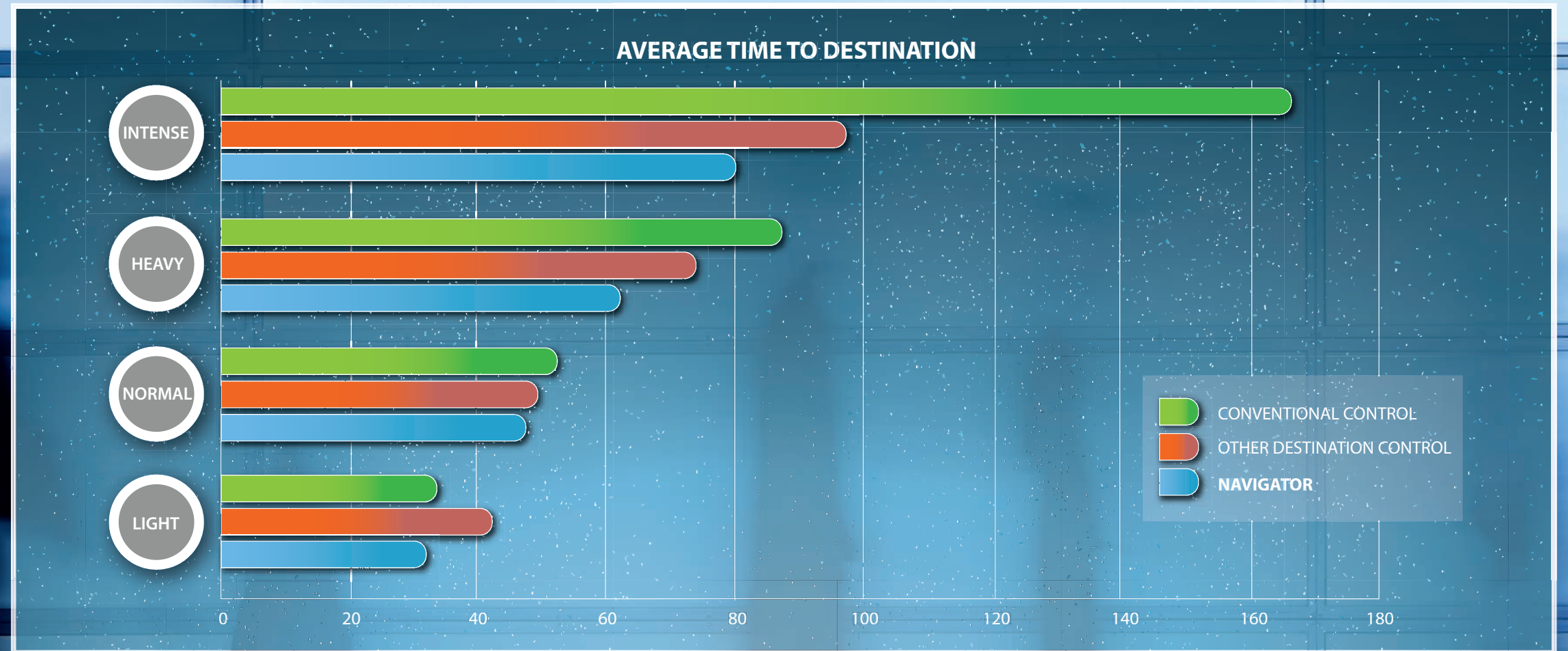




# performance

## AVERAGE TIME TO DESTINATION

Time to Destination is the time delay between the user entering the call and the car opening its doors at the users destination floor.



## AVERAGE WAITING TIME

Waiting Time is the time delay between the user entering the call and the user entering the car, it includes the time taken for the user to walk to the assigned car.





SECURITY

Limiting floor accessibility for security purposes is facilitated with a range of options.

The Ethos Navigator system can be customer programmed to restrict floor access using PIN codes and can interface to a range of security systems that include swipe-cards, turnstiles and keypad codes.

Flexible security is a key design feature.



ACCESSIBILITY

The needs of passengers with disabilities are a priority consideration to enable independent, stress-free lift use.

Ethos Navigator offers EN81-70 code compliant tactile interfaces enhanced with audiovisual instruction to accommodate the preferences of passengers with visual or hearing impairment.

Calls from passengers with restricted mobility are allocated suitably sized lifts to facilitate wheelchair access. Disabled passengers are given more time to locate, enter and exit lift cars whilst spoken word car identification messages assist visually impaired users.



FOUR EASY STEPS

- 1 REGISTER YOUR CALL  
TOUCHSCREEN, KEYPAD OR  
TURNSTILE
- 2 ETHOS NAVIGATOR WILL CLEARLY  
DIRECT YOU TO YOUR DESIGNATED  
LIFT



- 3 MOVE TO THE ASSIGNED LIFT WHICH  
WILL SIGNAL ITS ARRIVAL
- 4 THE IN-CAR DISPLAY CONFIRMS  
DESTINATION STOPS





## Experience

TVC has years of experience providing Ethos Navigator systems for prestigious buildings and support to the most exacting client.

## REFERENCE SITES



### PETTY FRANCE

2 off 5 car Group  
2.5m/s  
13 Floors



### 10 DEVONSHIRE SQ.

3 Car Group  
1.6 m/s  
6 floors



### 190 HIGH HOLBORN

3 car group  
3 m/s  
10 floors



### 20 CHURCHILL PLACE

8 Car Group  
2.5 m/s  
15 floors



### EUSTON ROAD

7 Car Group  
2.0 m/s  
18 floors



### ST GEORGES

4 Car Group  
2.0 m/s  
10 & 11 floors



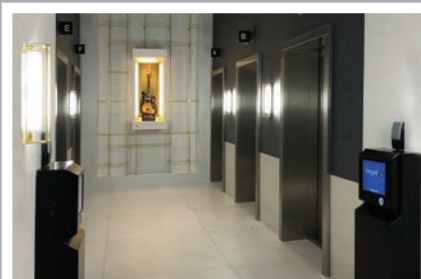
### TOLWORTH TOWER

6 Car Group  
3.50 m/s  
12 & 21 floors



### EDGEWARE ROAD

4 Car Group  
3 m/s  
9 & 10 floors



### HARD ROCK HOTEL

6 Car Group  
2.0 m/s  
10 floors



### 1 LONDON BRIDGE

3 Car Group 4 Car Group  
2.5 m/s 2.5 m/s  
14 floors 13 floors



### WESTFERRY CIRCUS

4 Car Group  
1.6 m/s  
10 floors



### CHISWICK TOWER

5 Car Group  
2.5 m/s  
19 floors



### ARNDALE HOUSE

8 Car Group  
3.5 m/s  
23 floors



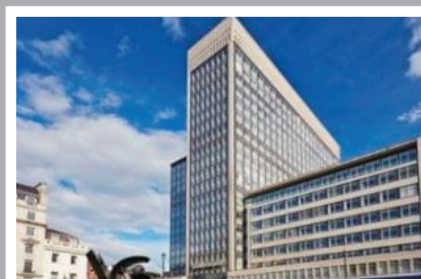
### 50 BERKLEY

5 Car Group  
2.0 m/s  
10 floors



### NORMAN HOUSE

Duplex lift  
1.6m/s  
11 Floors



### 33 CAVENDISH SQUARE

8 Car Group  
2.5 m/s & 3.5 m/s  
8 floors & 14 floors



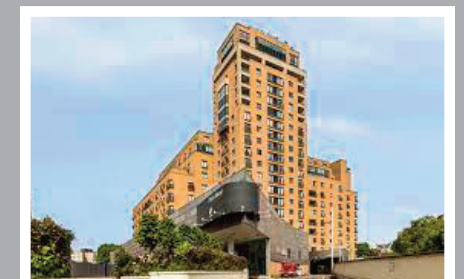
### VISA PADDINGTON

6 car Group  
2.5m/s  
12 Floors



### CAPITAL HOUSE

4 car Group  
1.6m/s  
9 Floors



### POINTWEST, LONDON

3 car Group  
2.5m/s  
20 Floors





OPTIONS



BESPOKE DESIGNS

One of the key considerations for any building is aesthetics.

TVC offers a unique, bespoke design service to ensure the visible fixtures and fittings of the control system blend in with or enhance the building décor and design.

By offering a range of touchscreens, keypads, pedestals, security interfaces and displays in custom made enclosures, the building design team can be assured of achieving the desired visual appeal without compromise.

All the following fixtures are available in custom colours.

TOUCHSCREENS	13-15
KEYPADS	16
LANDING & CAR DISPLAYS	17
LIFT IDENTIFIERS	18-20

TOUCHSCREENS

All our touchscreen interfaces offer audio visual feedback and a tactile EN81-70 compliant disability button.



**CAPACITIVE SCREEN TECHNOLOGY**

Product Code: 0019  
Screen Size: 10"  
Mounting Type: Surface





### SEMI-RECESSED TOUCHSCREEN

Product Code: 0004  
Screen Size: 12"  
Mounting: Semi-recessed



### STANDARD TOUCHSCREEN

Product Code: 0002  
Screen Size: 12"  
Mounting: Surface



### ANGLED TOUCHSCREEN

Product Code: 0003  
Screen Size: 12"  
Mounting: Surface, angled



### PEDESTAL

Product Code: 0006  
Screen Size: 12"  
Mounting Type: Floor





# KEYPADS

Tactile keypads with 16mm characters in compliance with EN81-70.

## ANGLED KEYPAD

Product Code: 0008  
Screen Size: 4.3"  
Mounting: Surface, angled



## STANDARD KEYPAD

Product Code: 0007  
Screen Size: 4.3"  
Mounting: Surface



## LANDING DESTINATION DISPLAY

Product Code: 0015  
Screen Size: 12"  
Mounting Type: Surface



## CAR OPERATING PANEL

Product Code: 0016  
Screen Size: 7" and 12"  
Product Size: Flush





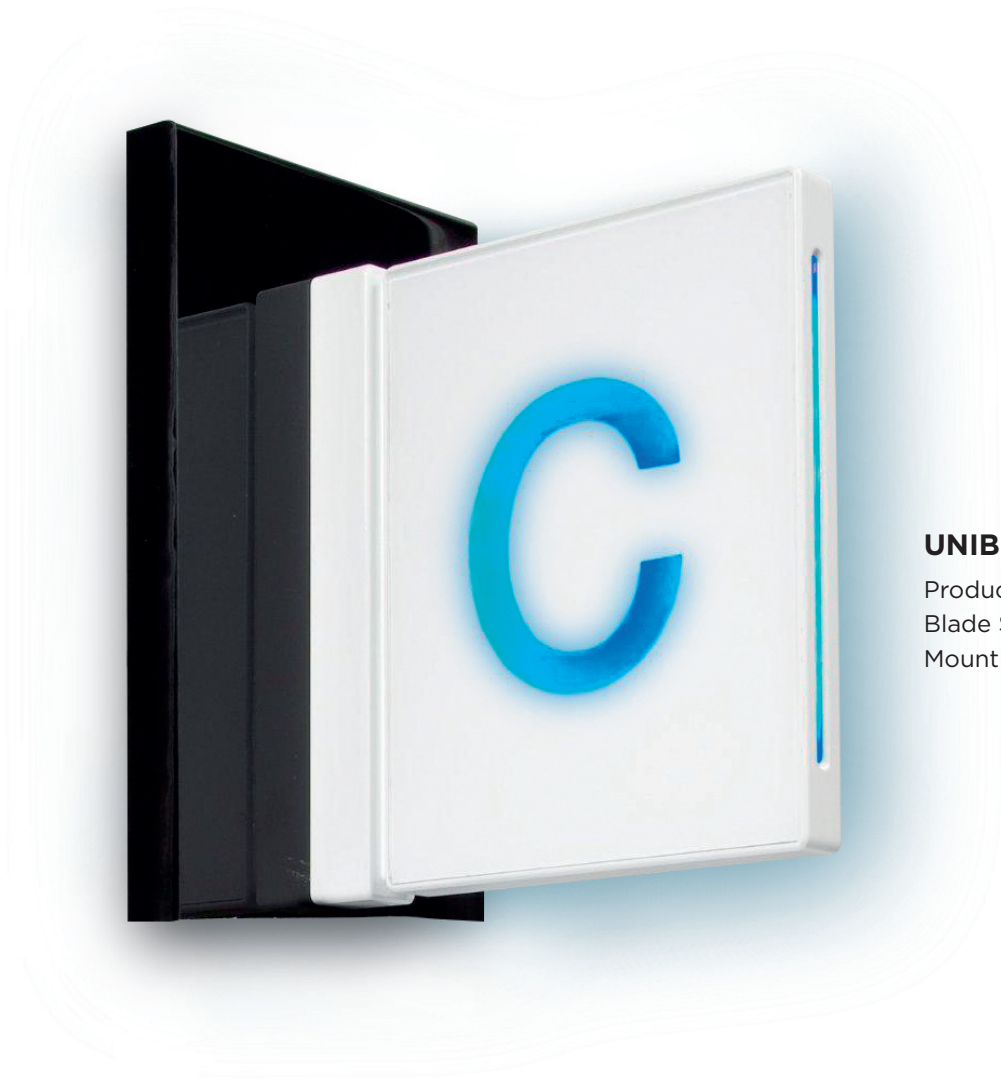
LIFT IDENTIFIERS



**DEMI CUBE**  
Product Code: 0018  
Blade Size: 210mm x 150mm  
Mounting: Surface



Demi-Cube	Gong	Legends illumination			
• Black Glass	Optional	A White	A Green	A Blue	A Red
• White Glass	Optional	A White	A Green	A Blue	A Red
Demi-Cube	Gong	Whole unit illumination			
• Frosted Glass	Optional	A White	A Green	A Blue	A Red
					Legends PVD Brass / Stainless Steel



**UNIBLADE**  
Product Code: 0009  
Blade Size: 130mm x 150mm  
Mounting: Surface



**UNIBLADE**  
Product Code: 0017  
Blade Size: 164.5mm x 137.5mm  
Mounting: Surface

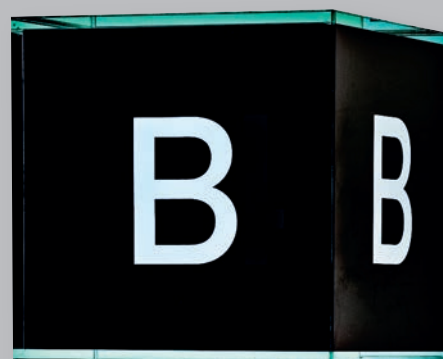


### MIRROR BLADE

Product Code: 0013

Blade Size: 149.5mm x 147mm

Mounting Type: Surface



### CUBE

Product Code: 0014

Blade Size: 150mm x 150mm

Mounting Type: Surface

Clear lift identification from all angles

