



Elevator Technology

# AGILE

Destination Controls



thyssenkrupp



# AGILE – Destination Controls — inside and out.



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# What is AGILE – Destination Controls?

AGILE – Destination Controls is an advanced dispatching system that directs passengers to the elevator that will get them to their destination in the shortest travel time. By grouping people together based on the floor they are traveling to, the number of stops is reduced — thereby improving the efficiency of the building’s elevator traffic.

## Advantages

### **More handling capacity and better performance.**

An elevator enhancer that you can add to virtually any elevator, this system is designed to move people to their destination in the quickest way — whether the building is new or existing, mid-rise or high-rise.

### **More security options.**

Card readers can be set up to increase security, separate passengers from staff, designate an elevator’s floor destination or reduce staff’s travel time, which increases their production time.

### **More modern and easily customizable.**

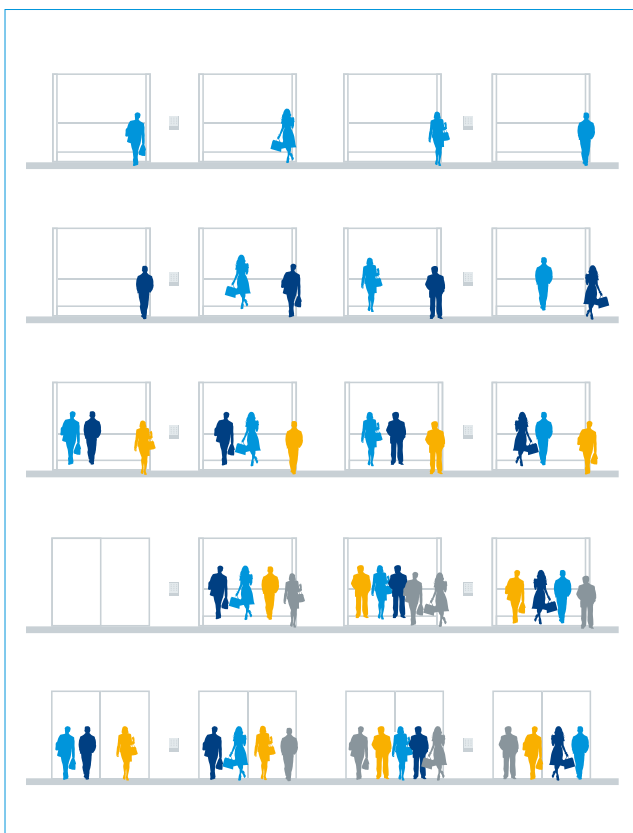
Kiosk displays can be customized to send messages to the tenants or share announcements of building events. Button size, shape and names can be customized to further a tenant’s brand recognition or show where the common areas are located.

### **More flexibility.**

Various configuration options create nimble solutions no matter who is occupying the building. Whether it’s a hotel, hospital, office, residential building, commercial building or a multi-use building, AGILE – Destination Controls can be configured to display a unique interface between the passenger and their destination.

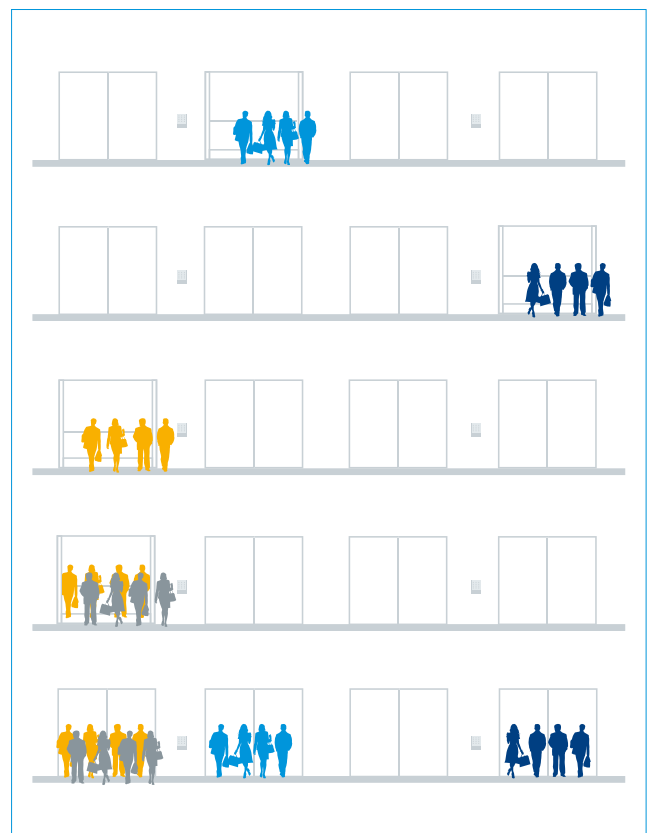
# Quicker, clever and more nimble.

15 stops vs. 4 stops



## Traditional operation

With a traditional elevator system, 16 passengers would crowd into the lobby and board the first available car. Therefore, it could take as many as 15 stops for some tenants to reach their floor.



## AGILE – Destination Controls operation

AGILE directs the 16 passengers to dedicated elevators so they reach their destinations in less overall stops.

# Make the smart move to greater efficiency.

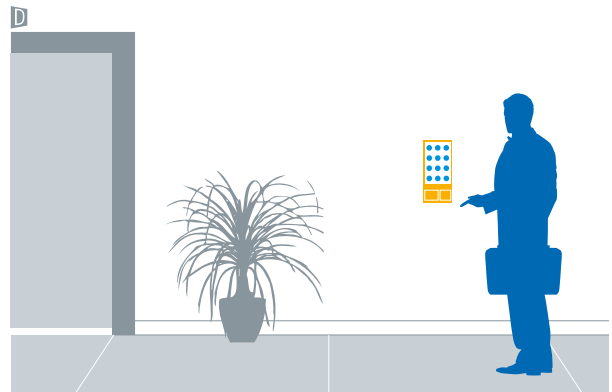
## How it works

AGILE – Destination Controls intelligently groups passengers traveling to similar floors together. This technology is designed to reduce wait times for all tenants. A traditional dispatching system analyzes a hall call and assigns the “best-available” elevator to

respond the fastest. However, during the elevator journey, multiple stops can delay passengers going to other floors. With AGILE technology, each elevator trip is more efficient due to fewer stops along the way, which results in shorter times to destination.

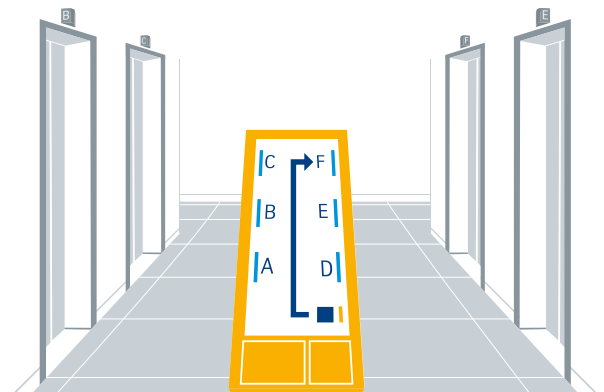
## Step 1

Passengers use the kiosk to select their floor. You can add custom button labels and logos to make the process even easier.



## Step 2

AGILE clearly directs each passenger to an assigned elevator.



## Step 3

Passengers board the assigned elevator that transports them to their destination fastest.

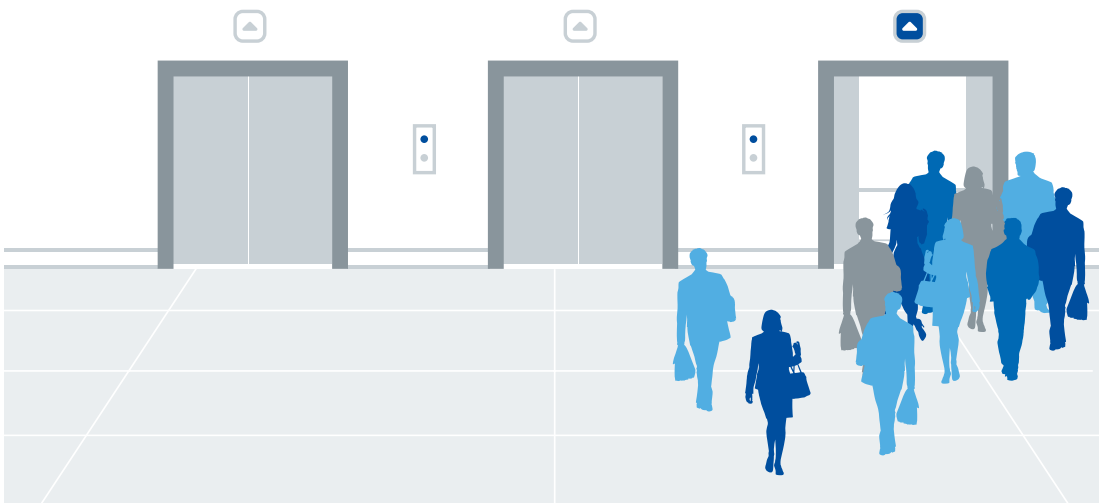


## Improving the passenger experience

### Traditional elevator operation

Passengers crowd into lobbies and push elevator buttons, which only register limited information — just single “up or down” requests. Then they board the first elevator to answer the call.

This is known as Estimated Time of Arrival (ETA) dispatching that leads to crowded cars, additional stops and remaining passengers who are left behind to wait for the next elevator.



### Operation with AGILE – Destination Controls

Passengers use a kiosk to select their floor. The intelligent dispatching software collects their information, analyzes their requests, gauges traffic demand and groups them based on

similarity of destination. This is known as Estimated Time to Dispatch (ETD), which leads to less crowding, fewer stops and a more efficient use of available elevator capacity.



### Benefits:

- Less congestion in the lobby at high traffic times
- Increased handling capacity by up to 30 percent
- Improved passenger comfort with less crowded elevators
- Reduced travel times by as much as 25 percent
- Competitive building amenity for attracting and retaining tenants

# Adapt our controls to fit your needs.

AGILE – Destination Controls is flexible enough to seamlessly adapt to new and existing elevators — even during a modernization.

## Destination Complete

This configuration takes advantage of all that AGILE – Destination Controls provides — and is available on elevator modernization projects, new installations or as a retrofit to a recently installed thyssenkrupp elevator system.

Key features and benefits:

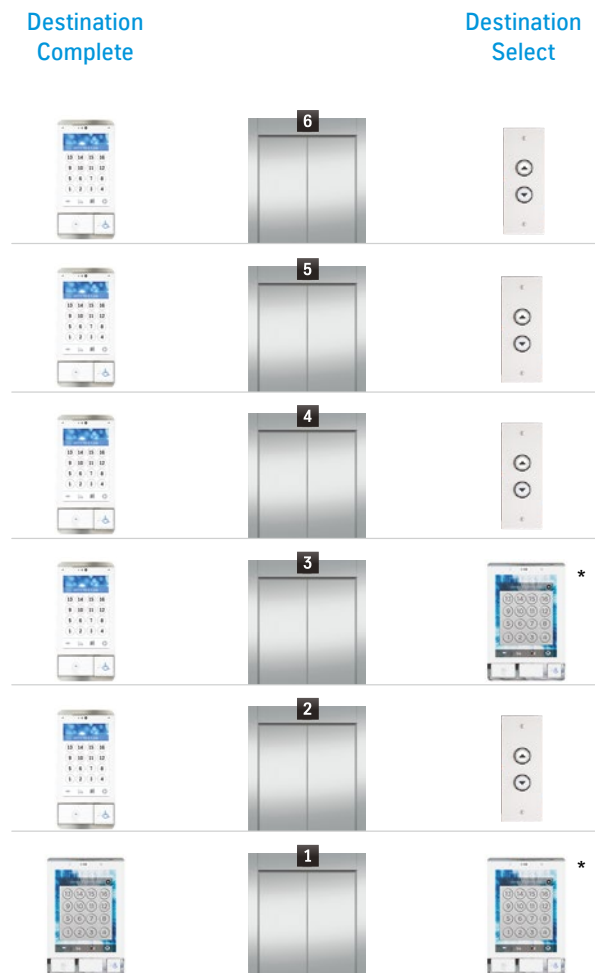
- A kiosk at every floor
- No push-buttons inside of car
- Maximum efficiency
- Ideal for complex buildings
- Easily integrates with existing security system

## Destination Select

If your building has high-traffic conditions on only a few floors, then AGILE – Destination Controls is a cost-effective solution.

Key features and benefits:

- Kiosks at main floor or selected floors
- Push-buttons inside of car
- Improved efficiency in select areas
- Ideal for buildings with high traffic during peak hours on certain floors
- Easily integrates with existing security systems



\*In high-traffic areas only, such as a lobby or cafeteria.



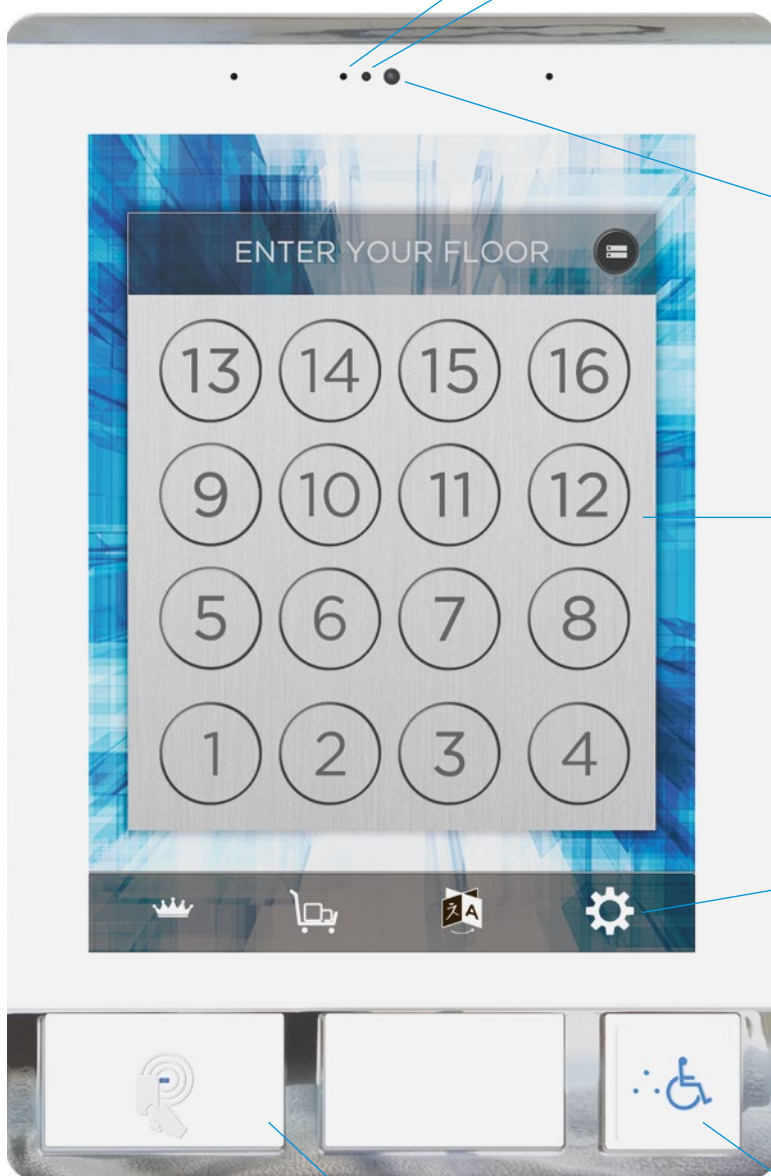
# Get to know our kiosks.

## Motion sensor

Changes display brightness when motion is detected and dims when there is low traffic or no motion near the kiosk.

## Ambient light sensor

Adjusts the display brightness based on the amount of natural light available.



## Camera

Used for a variety of features requiring computer vision, such as image capturing, QR codes, facial recognition and more.

## Touchscreen

Entry point for selecting the destination and also shows the direction to the assigned elevator.

## Dock area

Used for getting to settings, opening the help screens and various other functions. Typically these icons will be hidden.

## RFID card reader module

The kiosk features space for an optional RFID card reader. It's designed for quick, touch-free access to secure floors and will enable special features. Modules will vary by kiosk and job-specific requirements.

## Americans with Disabilities Act (ADA) button

When pressed, voice announcements and signal lighting activate to help disabled people reach their destination.



# Large kiosk

## Touchscreen

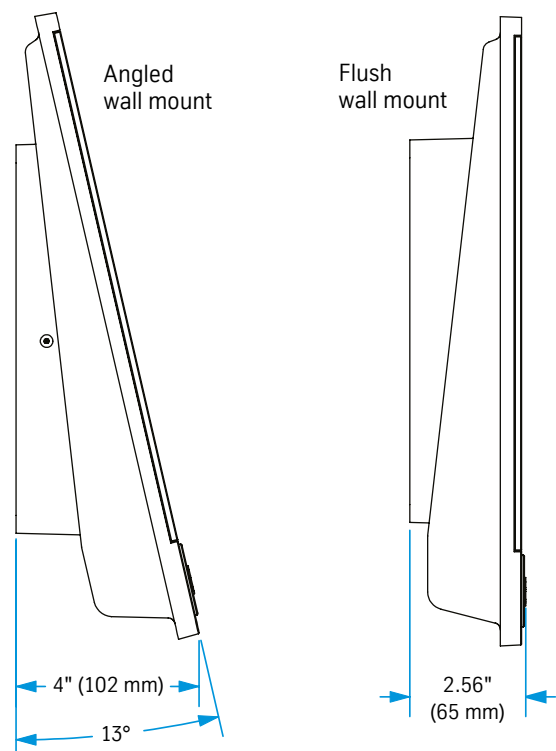
Black anodized aluminum frame  
with black-edged screen

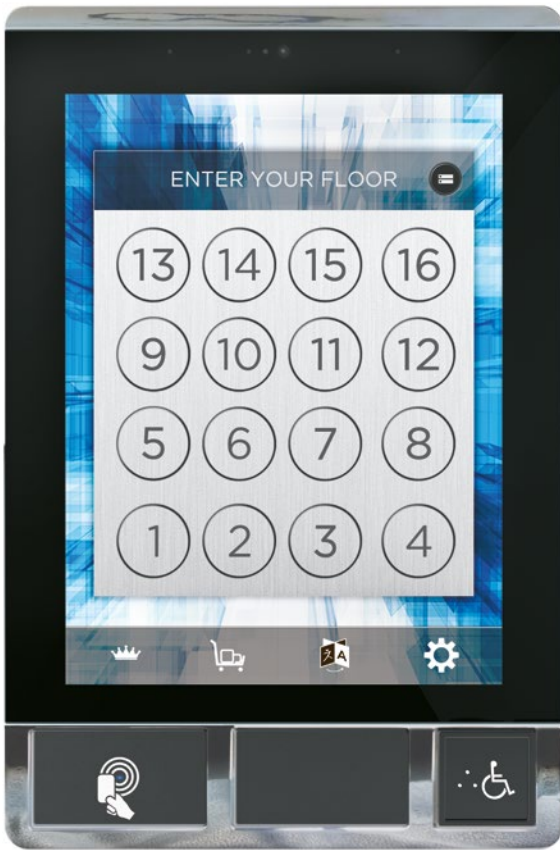
### Kiosk dimensions

| Large Touchscreen           | Dimension in inches (mm) |
|-----------------------------|--------------------------|
| Height                      | 14" (355 mm)             |
| Width                       | 9.29" (236 mm)           |
| Angled wall mount thickness | 4" (102 mm)              |
| Flush wall mount thickness  | 2.56" (65 mm)            |

### Kiosk display information

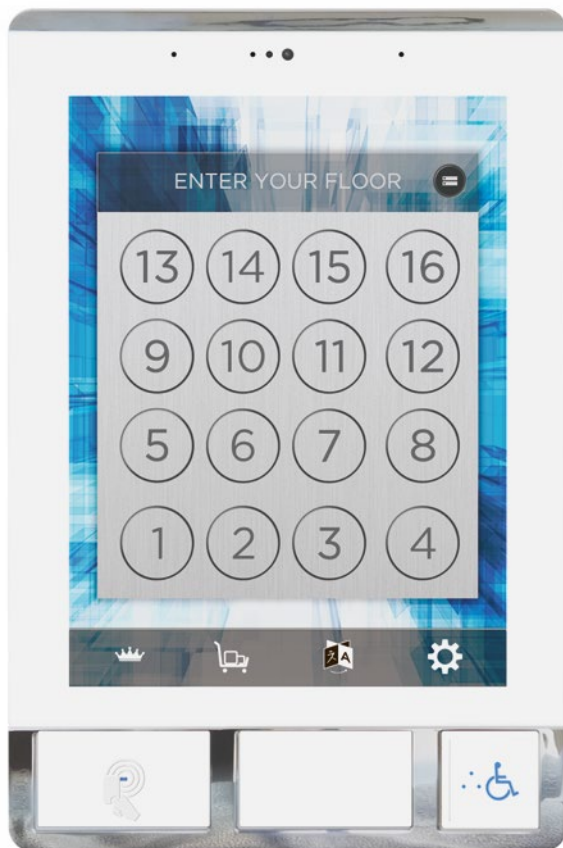
|                |                          |
|----------------|--------------------------|
| Display size   | 12" diagonal (305 mm)    |
| Resolution     | 1024 (H) x 768 (V) pixel |
| Display colors | 16 million               |
| Ratio          | 4:3                      |
| Backlight life | 50,000 hours             |
| Mode           | Normally white           |
| Brightness     | 400 cd/m <sup>2</sup>    |





# Finish options

Polished aluminum frame with black-edged glass screen



Polished aluminum frame with white-edged glass screen



# Small kiosk

## Touchscreen

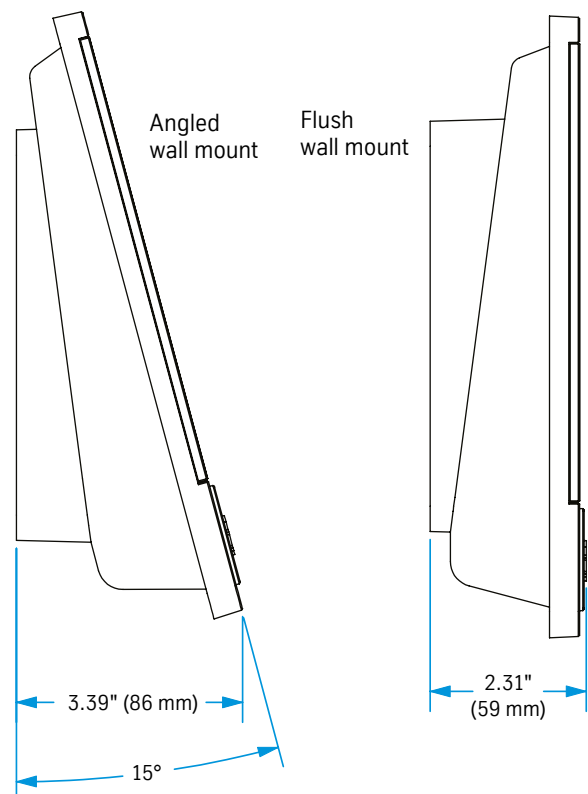
Black anodized aluminum frame with black-edged screen

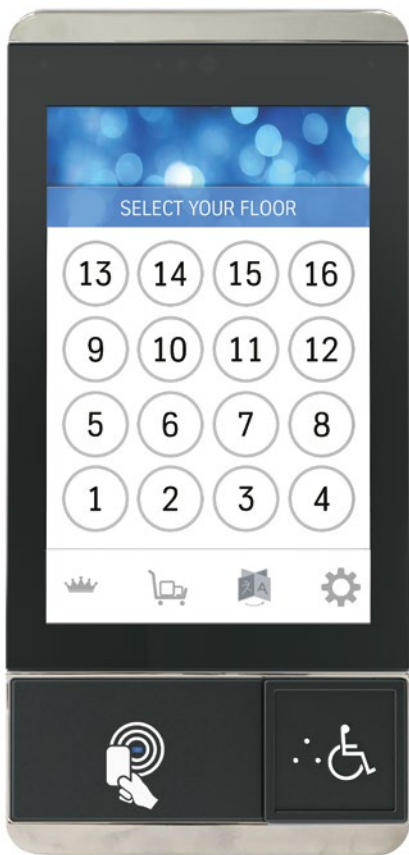
### Small kiosk dimensions

| Small touchscreen  | Dimension in inches (mm) |
|--------------------|--------------------------|
| Height             | 9.73" (247 mm)           |
| Width              | 4.63" (118 mm)           |
| Thickness (angled) | 3.39" (86 mm)            |
| Thickness (flush)  | 2.31" (59 mm)            |

### Small kiosk display information

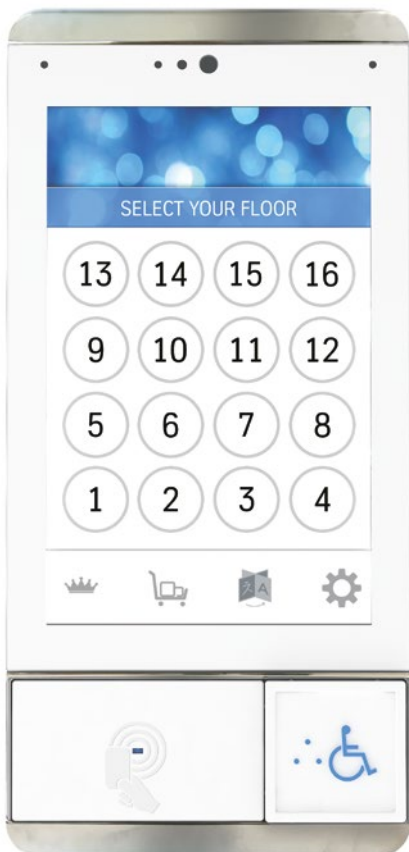
|                |                          |
|----------------|--------------------------|
| Display size   | 7" diagonal (178 mm)     |
| Resolution     | 1280 (H) x 800 (V) pixel |
| Display colors | 16 million               |
| Ratio          | 16:10                    |
| Backlight life | 50,000 hours             |
| Mode           | Normally white           |
| Brightness     | 400 cd/m <sup>2</sup>    |





# Finish options

Polished aluminum frame with black-edged glass screen



Polished aluminum frame with white-edged glass screen

# Modules



## Card reader

A card reader featuring contactless technology is an available option. This will allow users to quickly present their card and gain access to a secure floor or special features.

## Tactile ADA button

Complies with the guidelines set forth in the Americans with Disabilities Act to ensure all users can efficiently move to their destination.

# Kiosk specifications

|                         |  |
|-------------------------|--|
| Display colors          | 16 M color   |
| Brightness              | 400 cd/m <sup>2</sup>  |
| Backlight LED           | 50,000 hours (lifetime on full brightness)   |
| Power requirement       | Power over Ethernet (PoE)  |
| Operating system        | Linux  |
| CPU                     | Freescale i.MX6 dual-core  |
| DRAM                    | 1GB DDR3L  |
| System storage          | 4GB NAND flash   |
| Communication           | Ethernet or PoE, CAN, RS-232   |
| Ethernet network        | 10/100 Mbps  |
| Card reader             | HID iCLASS SE <sup>®</sup> reader module   |
| Rating                  | IPX3   |
| Temperature (operating) | 0 to 50 degrees C (32 to 122 degrees F), indoor use only                                       |
| Standby mode            | Yes, after a period of inactivity (time period is adjustable in the Design Center application) |



# Turnstile display

Another benefit of AGILE – Destination Controls is its easy integration into a building’s security system. A turnstile security system may already exist — or may be in the planning stages. If this is the case, a smaller kiosk display (without modules) is available to direct passengers to their floor, once they have swiped their security card at the third-party card reader.

Whatever your turnstile requirements are, we can supply you the kiosk to integrate into your custom configuration. Mounting provision requirements are provided by the turnstile manufacturer.



Flush-mounted kiosk shown recessed at top of turnstile.

## Flush-mounted kiosk dimensions

|                          |               |
|--------------------------|---------------|
| Cut out for kiosk height | 9.5" (241 mm) |
| Height                   | 9.8" (248 mm) |
| Width                    | 4.6" (117 mm) |

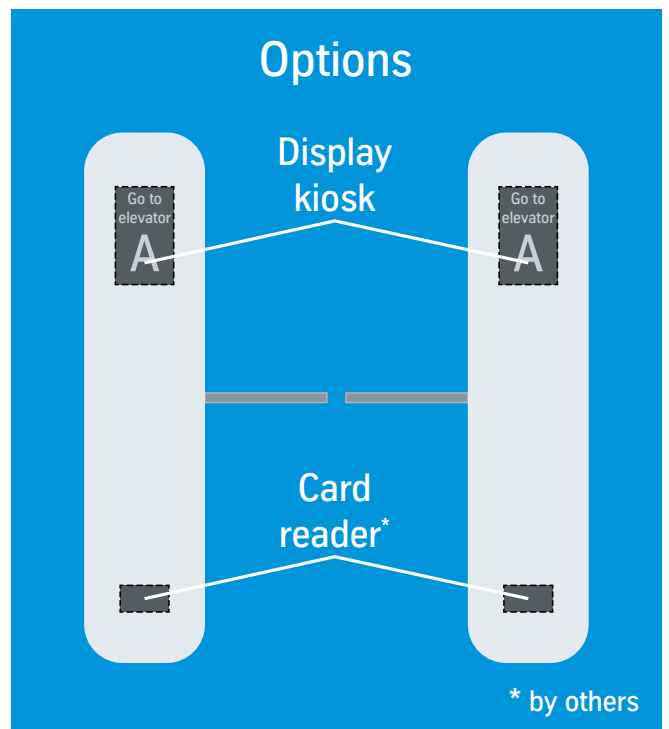
## Surface-mounted kiosk dimensions

|  |               |
|--|---------------|
| Height and width are same dimensions as 7" kiosk |               |
| Surface mount base (highest point)               | 2.3" (59 mm)  |
| Surface mount kiosk on base (highest point)*     | 4.3" (110 mm) |

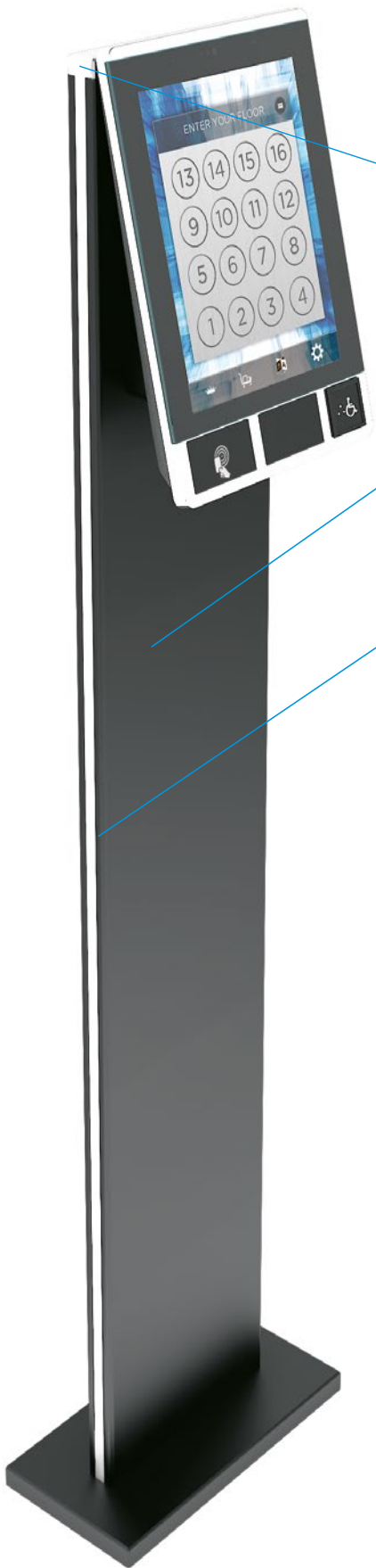
\* Measured from top of turnstile

## Turnstile display information

|                |                          |
|----------------|--------------------------|
| Display size   | 7" diagonal (178 mm)     |
| Resolution     | 1280 (H) x 800 (V) pixel |
| Display colors | 16 million               |
| Ratio          | 16:10                    |
| Backlight life | 50,000 hours             |
| Mode           | Normally white           |
| Brightness     | 400 cd/m <sup>2</sup>    |



# Pedestals



**Cap (top only)** Available in the following finishes:



Black powder coating



White powder coating\*\*

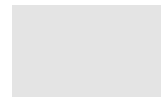


Polished aluminum\*

**Pedestal body**



Black powder coating



White powder coating

**Side cover**



Black powder coating



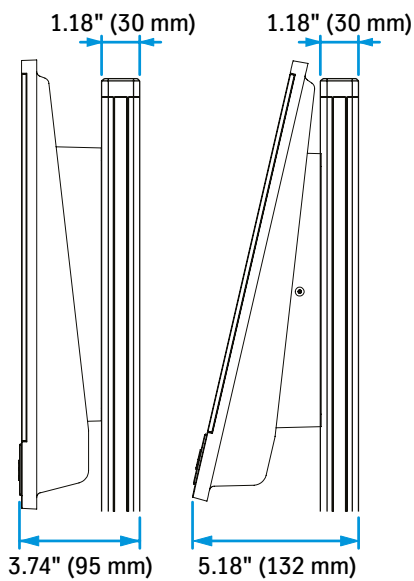
White powder coating



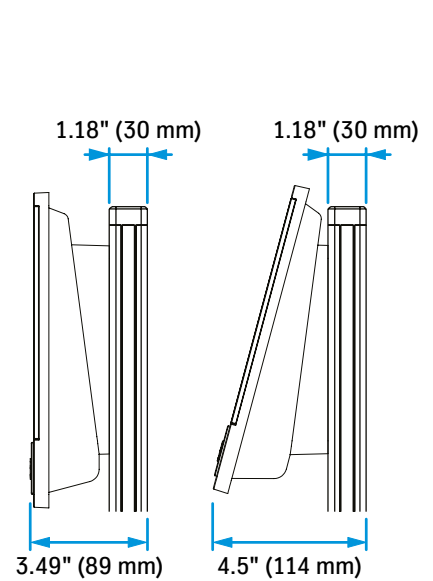
Available with white LED lighting side cover

## Combined dimensions

**Large kiosk**



**Small kiosk**



\* Only available on the black pedestal

\*\* Only available on the white pedestal



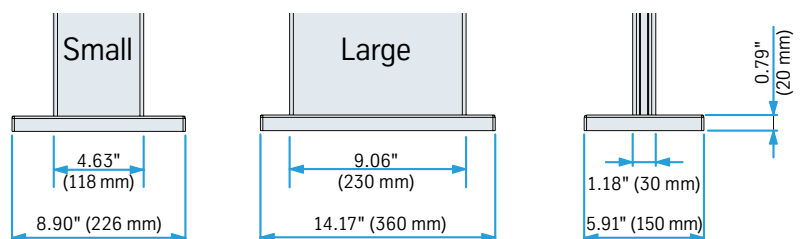
### Embedded pedestal

### Standing pedestal



Pedestals are only available in the Thick Pedestal Configuration with white illumination. The ADA button's center line must be 42" (1067 mm) above finished floor (AFF).

### Pedestal dimensions



Small kiosks use a shorter pedestal to maintain the ADA button's 42" (1067 mm) center line height requirement.

# Slim wall covers



## Cap (top)

Bottom cap to match

Available in the following finishes:



Black powder coating



White powder coating\*

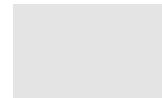


Polished aluminum

## Body



Black powder coating

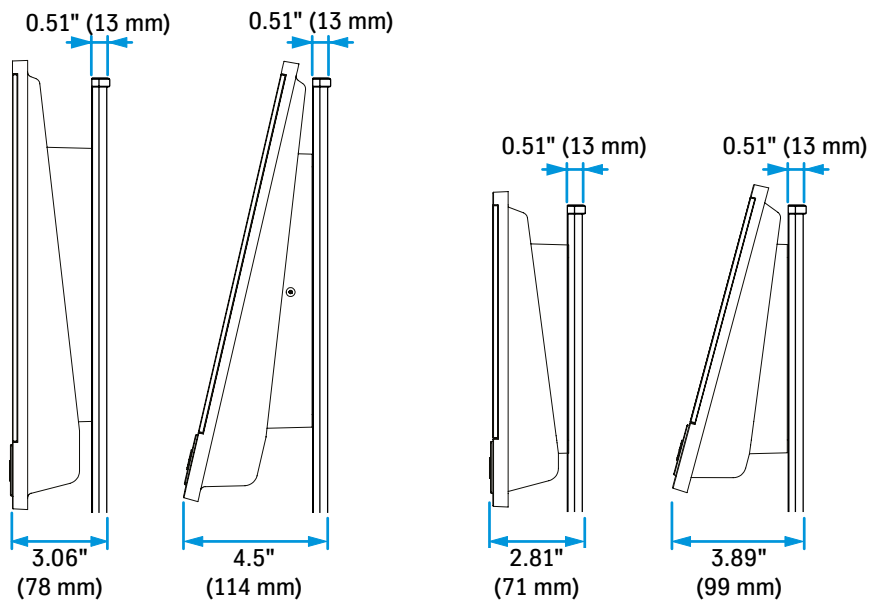


White powder coating\*

## Distance from wall

### Large kiosk

### Small kiosk



Contact your local thyssenkrupp representative regarding local building code requirements.

\* Only available with white powder coating pedestal body

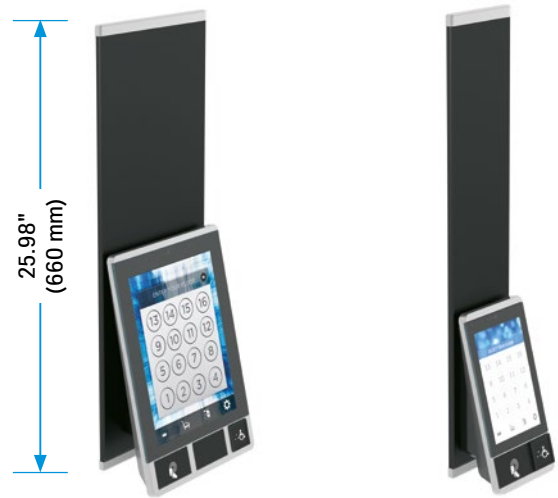
## Full-height



Large cover with large kiosk

Small cover with small kiosk

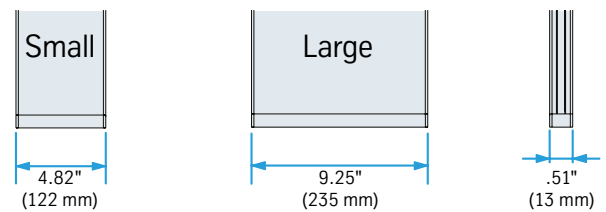
## Half-height



Large half-height

Small half-height

### Slim wall cover dimensions

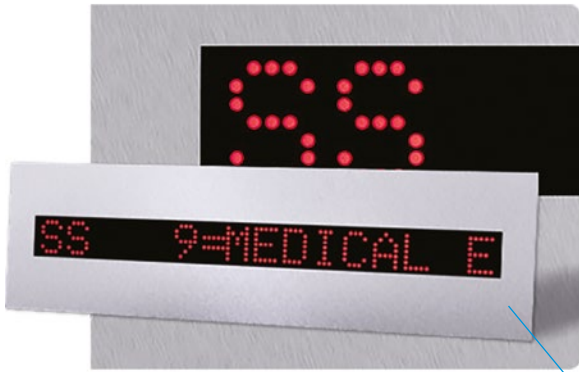


Wall covers are mounted so that the center line of the ADA button maintains 42" (1067 mm) above finished floor.

Slim, low profile cover is available in both full- and half-height wall mounts configurations — which hug the wall tightly and only protrude a half-inch off the wall.

# Additional devices

## Hall target indicators



Our elevator hall target indicators clearly display the listed destinations for passengers. They come in a variety of shapes and sizes and you can choose from a selection of display options — including standard lighted numbers, digital readouts and scrolling message displays.

Custom sizes and layouts (vertical mount, long horizontal mount, oversize face plates) are available. We also offer a combination hall lantern/position indicator. These indicators can be built into a hall fixture or can be a standalone unit.



# Floor and elevator identification

## Hall flags



**Option 1**  
Rounded flag style on stainless



**Option 3**  
Curved opaque sign on stainless



**Option 2**  
Squared flag style on stainless



**Option 4**  
Angled sign on stainless



## Braille



**Option 1**  
Single Braille plate with raised floor and elevator identification



**Option 2**  
Single embossed Braille plate with raised floor and elevator identification



**Option 3**  
Combination Braille and elevator identification mounted in frame

# In-car devices

## Car target indicators

Located in the elevator car door jamb, this indicator has multiple uses that are important in both traditional (ETA) and destinational dispatching (ETD). This device can act as a car riding lantern in ETA mode to indicate direction of travel. In ETD mode, the device acts as a car target indicator and gives a visual confirmation of the destination floors.



ETA mode down



ETA mode up

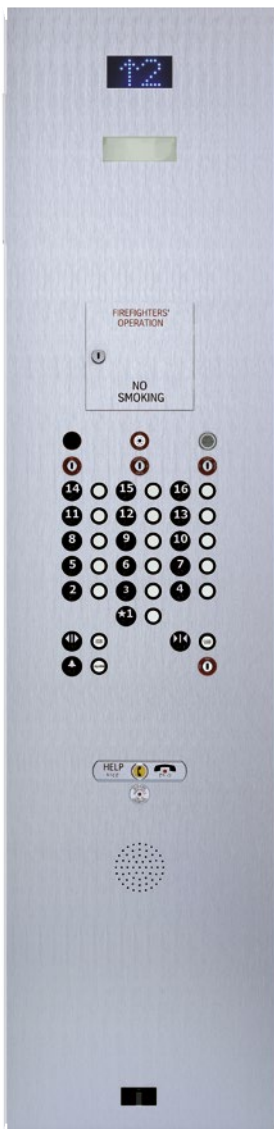


ETD mode

## Car Operating Panel (COP) options

### Destination Select

### Destination Complete

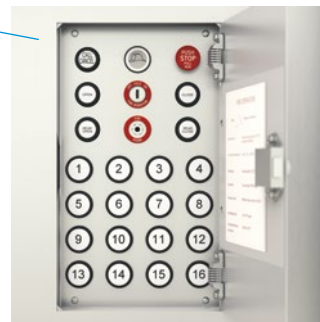


### Destination Select

On the Destination Select COP, all floor buttons are visible to allow passengers to select their destination, as kiosks are only located on select floors.

### Destination Complete

On the Destination Complete COP, there are no exposed floor buttons inside the elevator car because floor destinations are selected at the kiosk.



## Fire service panel

This fire service panel allows emergency personnel to control the elevator from inside the car during an emergency situation.



# Advanced controls and operations

Take control of your building's operations.

AGILE – Destination Controls puts you in control so your elevators can adapt to the diverse needs of the people that use them each day. All of these features can be controlled by using our kiosk.

## Available features



### ADA voice capability

Your elevators need to be accessible to everyone. With ADA voice capability, visually impaired passengers simply press the ADA button to register calls and audible announcements direct them to their assigned elevator. Upon arrival at their destination floor, an announcement tells them to exit.



### Design center

Display appearance, such as background, button shape, card area visibility and even messages can be modified using the Design Center application. Customize the dock configuration to enable additional features. You can also set parameters affecting just one or all of the kiosks in your building from one location.



### Capture

Authorized users can select and recall specific elevators to specific floors using a kiosk or other destination input device. Once captured, the elevator car can be placed on independent service to give users control of the car to clean the interior or perform maintenance. This function can be operated via PIN entry or card swipe.



### Express operation

Maximize the trip speed with Express operation. Program selected elevators to be cycled continuously between two floors for a pre-determined duration. For example, this feature can help hotels transport food efficiently from their kitchen to a ballroom on another floor. You can also prevent other guests from boarding to provide your banquet guests with VIP treatment.



### Code Blue

In hospitals, seconds count and Code Blue calls the first-available elevator car with a quick card swipe or PIN entry. It can also call designated cars in a particular order — in case hospitals have limited elevators large enough to accommodate stretchers, or limited access to floors where operating and emergency rooms are located.

A Code Blue call removes the car from automatic operation, delivers the user to the destination floor and then returns to automatic operation. That way, your elevators are flexible enough to serve daily passengers and critical trauma patients.



### VIP operation

Often, tenants pay a premium to reside on the top floors. VIP operation allows them to swipe a card or enter a PIN to isolate the elevator and provide uninterrupted access to their designated floor. VIP operation provides your upper-floor tenants with a premium ride.



### Service operation

Service personnel can use this function to call an empty elevator and ride it nonstop to their destination floor. The user simply registers a call via a card swipe or PIN entry that is pre-programmed to grant access. This is especially useful for hospital employees who transfer patients requiring privacy between floors. Also, delivery personnel using a dolly would require an empty elevator.

# Elevator Technology

thyssenkrupp Elevator Corporation  
2591 Dallas Parkway, Suite 600  
Frisco, TX 75034  
P: +1 844 427 5461  
www.thyssenkruppelevator.com



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