MOVE BEYOND

AGILE DESTINATION CONTROLS


AGILE DESTINATION CONTROLS — INSIDE AND OUT.
Rottweil TKE Test Tower
6
LEVEL 6
IN FIRE EMERGENCY, DO NOT USE ELEVATOR. USE EXIT STAIRS.

CONTENT

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're traveling to, the number of stops is reduced — thereby improving the building's elevator traffic efficiency.

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 tenants or share announcements of building events. Button size, shape and names can be customized to enhance a tenant's brand recognition or show where common building 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 fewer overall stops.

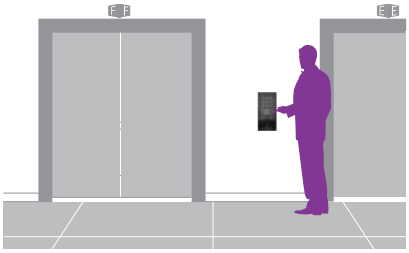
MAKE THE SMART MOVE TO GREATER EFFICIENCY

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.

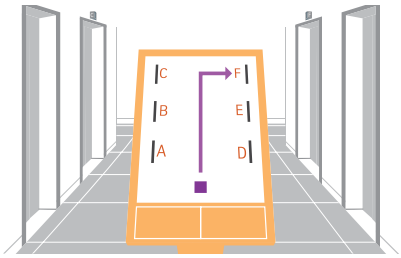
Step 1

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



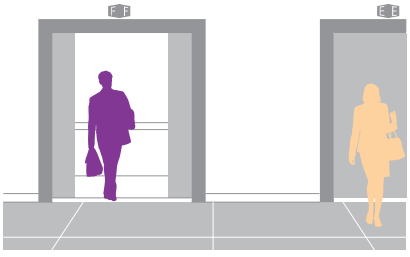
Step 2

AGILE clearly directs each passenger to an assigned elevator.



Step 3

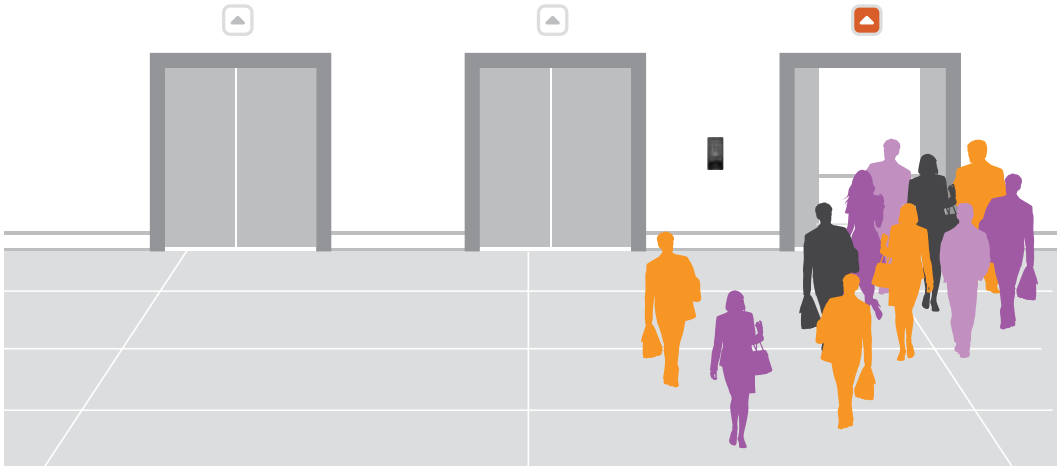
Passengers board the assigned elevator that transports them to their destination fastest.



Improving the passenger experience

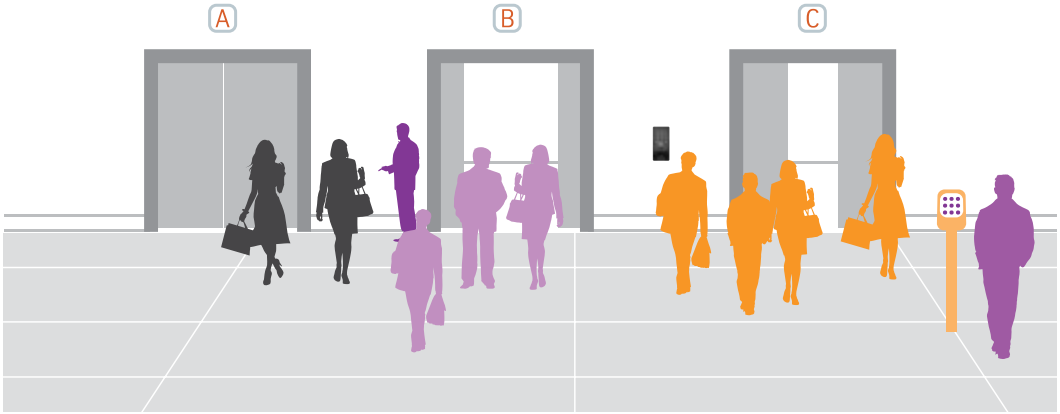
Traditional elevator operation

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, analyzes traffic demand and groups them based on similarity of destination. This is known as Estimated Time to Destination (ETD), which leads to less crowding, fewer stops and 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 TK Elevator system.

Key features and benefits:

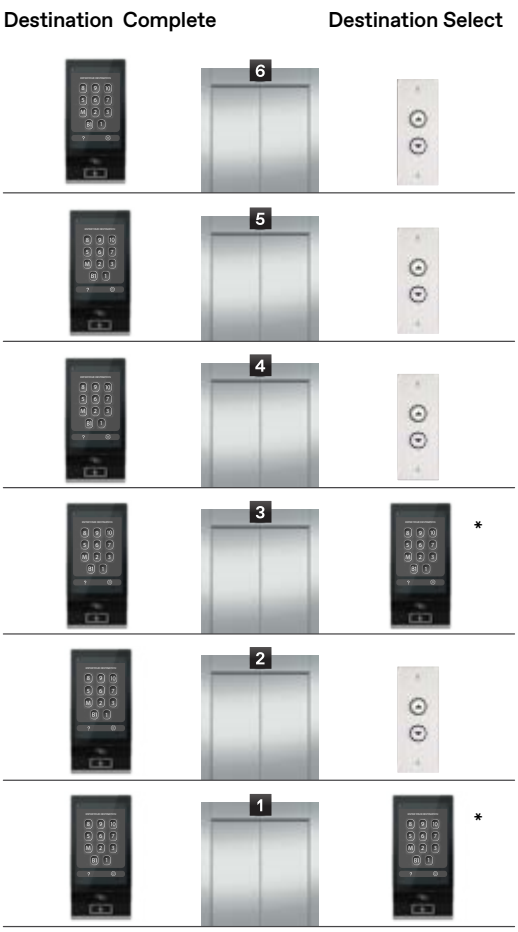
- A kiosk at every floor
- No floor push-buttons inside of car
- Maximum efficiency
- Ideal for complex buildings
- Easily integrates with existing security system

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
- Floor 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 2ND GEN KIOSKS

Camera

Disabled but reserved for future use.

Ambient light sensor

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

Motion sensor

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

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.

Americans with Disabilities Act (ADA) button

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

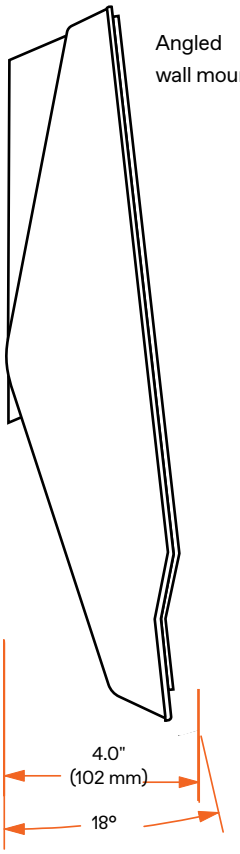
RFID card reader module

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.

Large touchscreen 2nd gen kiosk

Angled wall mount

Black anodized aluminum frame with silver edges



Angled wall mount

Kiosk dimensions

Large Touchscreen	Dimension in inches (mm)
Height	16.22" (412 mm)
Width	7.95" (202 mm)
Angled wall mount thickness	4.0'' (102 mm)

Kiosk display information

Display size	12.1" diagonal (307 mm)
Resolution	1280 (H) x 800 (V) pixel
Display colors	16.7 million
Ratio	16:10
Backlight life	50,000 hours
Mode	Normally white
Brightness	400 cd/m²

Small touchscreen 2nd gen kiosk

Black anodized aluminum frame
with silver edges

Kiosk dimensions

Small Touchscreen	Dimension in inches (mm)
Height	11.69" (297 mm)
Width	5.19" (132 mm)
Angled wall mount thickness	3.99" (101 mm)

Kiosk display information

Display size	7" diagonal (177.8 mm)
Resolution	1280 (H) x 800 (V) pixel
Display colors	16.7 million
Ratio	16:10
Backlight life	30,000 hours
Mode	Normally white
Brightness	400 cd/m²

Additional features

Card reader
A card reader featuring contactless technology is an available option. This allows 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.

2nd generation kiosk specifications

Display colors	16.7 M color
Brightness	400 cd/m^2
Backlight LED	Up to 50,000 hours (lifetime on full brightness)
Power requirement	Power over Ethernet (PoE) 44-57 VDC; Supply voltage 24 VDC
Operating system	Linux
CPU	i.MX6 dual-core
DRAM	For 7": 1GB; For 12": 2GB DDR3L
System storage	For 7": 4GB; For 12": 16 GB NAND flash
Communication	Ethernet, CAN, RS-485
Ethernet network	10/100 Mbps
Card reader	HID iCLASS SE® or Elatec reader module
Rating	IP21
Climate (operating)	Temperature: 0 to 60 degrees C (32 to 140 degrees F); Humidity: 5% to 95% non-condensing; Altitude limit: less than or equal to 9,842 feet 6 inches (3000 meters); indoor use only
Standby mode	Yes, after a period of inactivity (time period is adjustable in the Design Center application)

Open Frame Kiosk

Sometimes, your building design includes a custom faceplate or enclosure that a surface-mounted touchscreen must fit into.

Thanks to its modular design, the Open Frame Kiosk can be installed in any custom enclosure that is designed to accommodate the 7-inch or 12-inch touchscreen display, speaker module, single-button* ADA module (rectangular or round), or step scanner module, depending on the local requirements. It also supports integration with custom peripherals such as card readers** for building security.

Main components can be flush mounted into your enclosure*** and programmed similarly by our technicians for integration into your building management system or typical destination dispatching system.

Open frame kiosk

Front side | Back side

Rectangle ADA button

Round ADA button
Stainless steel finish

Round ADA button
Muntz finish

7" Flush-mounted kiosk

Height	16⅜" (416 mm)
Width	6½" (165 mm)
Depth (Max.)	4" (102 mm)

12" Flush-mounted kiosk

Height	21" (533 mm)
Width	9¼" (235 mm)
Depth (Max.)	4" (102 mm)

Step scanner: multi-button

Where applicable, the step scanner option is available to speed up landing selection in buildings with more than 10 floors. By holding the up or down arrow, landing numbers increase or decrease in increments of ten.

* Button finish options are available in black plastic, brushed stainless steel or brushed muntz.
** Card reader not included.
*** Mounting provision requirements are provided by the enclosure manufacturer.

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 offers a variety of features you and your installation technician can set up. You decide which features will help your elevators adapt to the diverse needs of people who use them daily.

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.

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.

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.

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. The parameters can be set for you, affecting just one or all of the kiosks in your building from one location.

Express operation
Maximize the trip speed with Express operation. Your installation technician can 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.

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.

Our core principles

YOUR INNOVATION PARTNER

elevators and escalators under maintenance

1,500,000

countries of customers

100+

employees

50,000+

service available for customers

24/7

locations

1,000+

service technicians

25,000+

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