

The All Inclusive Guide to High Speed Door Activators



RYTEC

Guide to Activation

Introduction

Whether your application requires manual controls or fully automated sensors, Ryttec offer a number of activation options. All activators are connected to the System 4® door controller (or other door controller) and are built to withstand the rigors of industrial and commercial applications. Applying the most effective technology to your doors ensures end-user safety, higher productivity and greater operational efficiency. Choosing the right activators depends on the door, the type of traffic, the frequency of traffic, the traffic patterns and the environmental conditions of the application. This guide provides an overview of the major activation options available.

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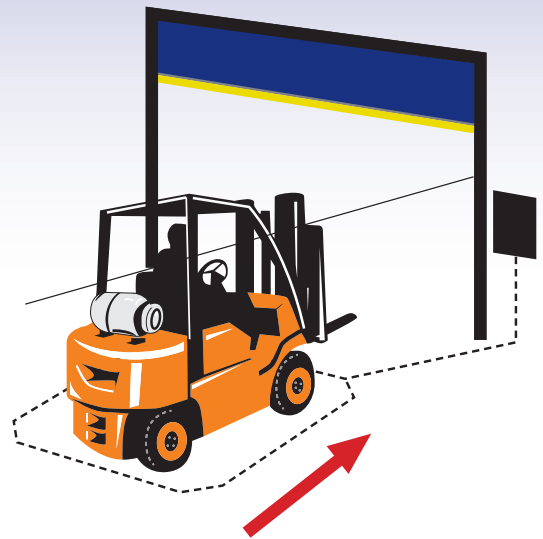
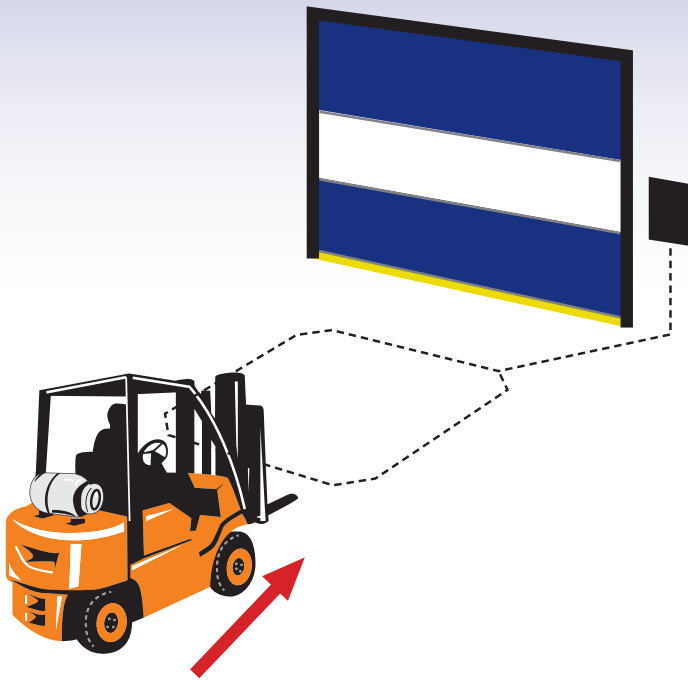
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Activation Guide

INDUCTION FLOOR LOOP

Underground detection for easy access



Pedestrian Traffic ☐

Equipment Traffic ☒

Vehicular Traffic ☒

About

- Automatic activation
- Energized loops of wire buried in the floor
- Uses a magnetic field that is disturbed by the metal of a vehicle that signals the door to activate.
- Helps reduce false openings caused by cross traffic
- Does not detect pedestrian or non-vehicular traffic
- Must saw-cut into floor about 2" for installation of wiring
- Requires a floor loop card to be mounted in the control panel in order to receive the signal.
- Sequence of operation is typically floor loop to open and timer to close

Application



Food Distribution



Parking

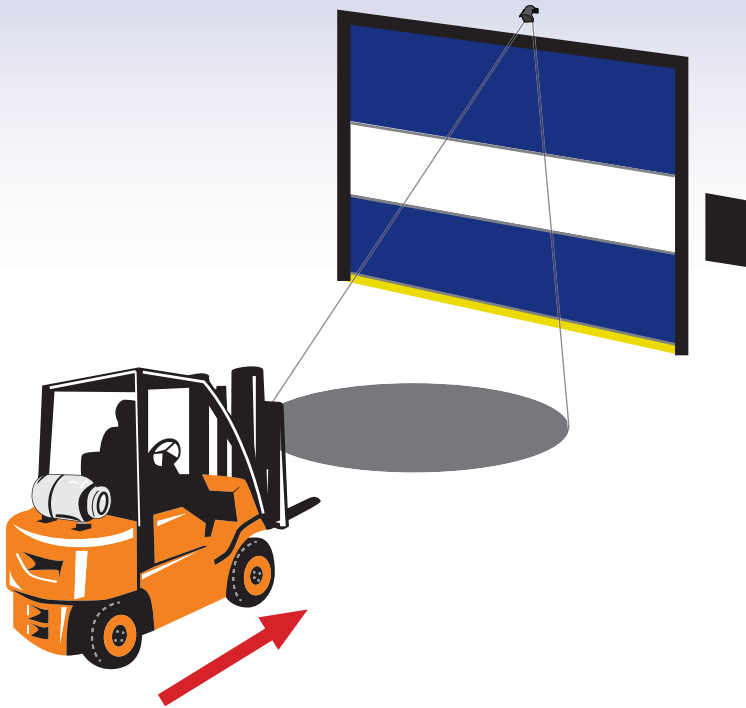


Automotive Retail

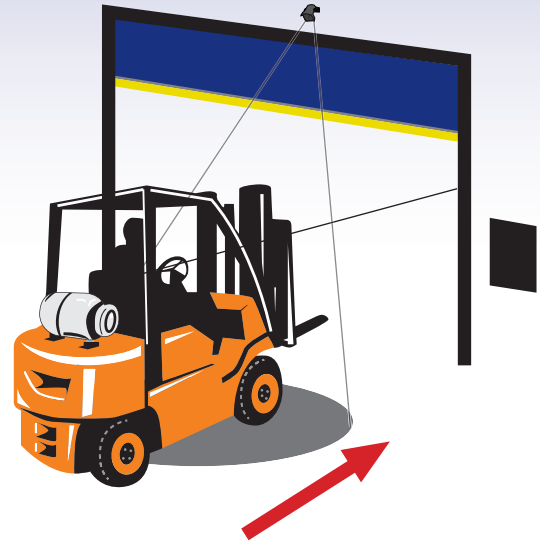
Activation Guide

MOTION DETECTOR

Motion detection for easy access



Pedestrian Traffic ☒



Equipment Traffic ☒

Vehicular Traffic ☒

About

- Automatic activation
- Microwave doppler radar technology
- Detects motion or movement
- Adjustable field sensitivity, hold open time, detection modes & filters
- Vehicle only detection with pedestrian and cross traffic rejection reduces false openings.
- Works in temperatures from -22°F to 140°F
- Should be mounted between 7 feet and 23 feet above detection area
- Sequence of operation is typically motion detector to open and timer to close



Application



Automotive Retail



Food Distribution

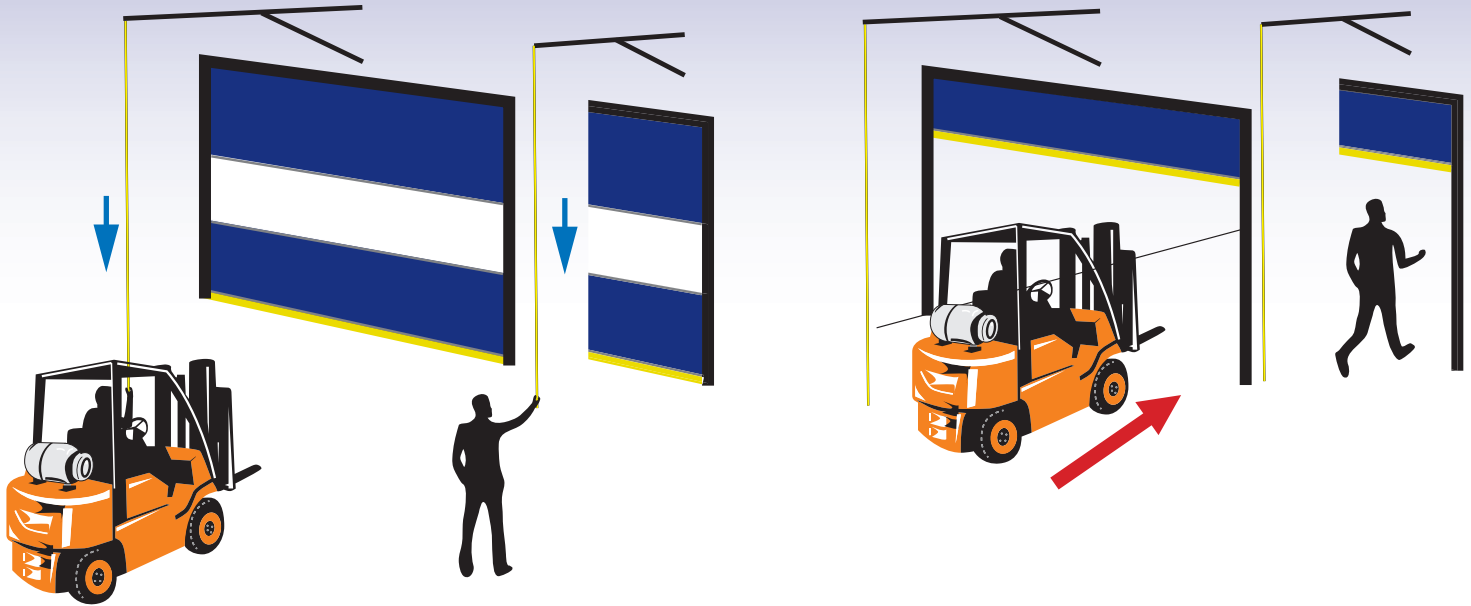


Food Processing

Activation Guide

PULL CORD

Human controls for easy access



Pedestrian Traffic ☒

Equipment Traffic ☒

Vehicular Traffic ☐

About

- Manual activation
- Works well with motorized traffic
- Door can be activated without operator leaving the vehicle
- Heated pull cords available for use in environments below freezing
- More prone to damage than automatic activation
- Sequence of operation can be pull cord to open door and timer to close or pull cord to open door and pull cord to close

Application



Food Distribution



Warehousing



Cold Storage

Activation Guide

RADIO CONTROL

Hand held activation for easy access



Pedestrian Traffic ☐

Equipment Traffic ☒

Vehicular Traffic ☒

About

- Manual activation
- Door can be opened from anywhere within range
- Ideal for areas that have a smaller number of vehicles or is constantly monitored
- Each door is set to an individual frequency
- Transmitters with up to 9 frequencies can be used to operate 9 different openings in the same facility
- Sequence of operation is typically transmitter to open the door and timer to close the door

Application



Automotive Retail



Food Distribution



Warehousing

Activation Guide

ADVANCED ACTIVATION

For applications that require higher security or more advanced access controls



Credit: Rootr.net

Access Cards, Key Fobs

Access cards contain magnetic or optical data that are swiped into card readers for activation.

Automatic Vehicle Identification

AVI systems automatically identify vehicles so they can be authorized to enter or exit while activating the door to open or close.



Credit: FDC Solutions



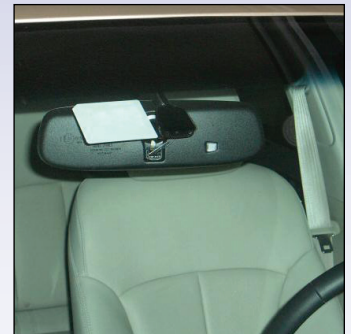
Credit: ESI Inc.

Biometric Device

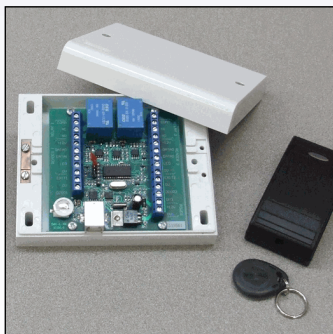
Biometrics use physical characteristics (face, fingerprints, eyes, hands) to identify a person and activate the door to open or close.

Windshield/ Vehicle Transponder

Another AVI device. See Radio Frequency Identification (RFID) and Automatic Vehicle Identification (AVI) Systems.



Credit: Priuschet.com



Credit: Dortronics

Radio Frequency Identification

Radio-frequency identification (RFID) uses wireless non-contact radio-frequency signals to transfer data to and from a reader to activate door operation.

Touch-less Wave

Users “wave” their hand in front of the device to activate the door—no contact is necessary.



Credit: BEA



Credit: Gettyimages.com

Custom Activation Solutions

Rytec's engineers work with the customer's in-house technical team or third-party vendors to integrate custom door activation and controls.

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