



# APPLICATION NOTE

## LZR-WIDESCAN: HEIGHT TRIGGER WITH PARTIAL OPEN

*The purpose of this Application Note is to define the procedure for how to use the Height Trigger in conjunction with a "partial open" of the door.*

*The scope of this procedure is limited to LZR-WIDESCAN.*

### BACKGROUND

The Height Trigger feature in the LZR-WIDESCAN can be used to detect pedestrian and vehicle traffic and open the door to the appropriate height.

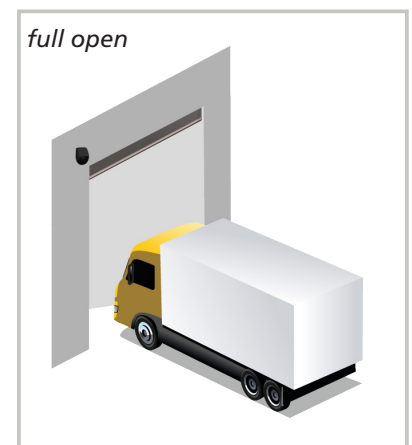
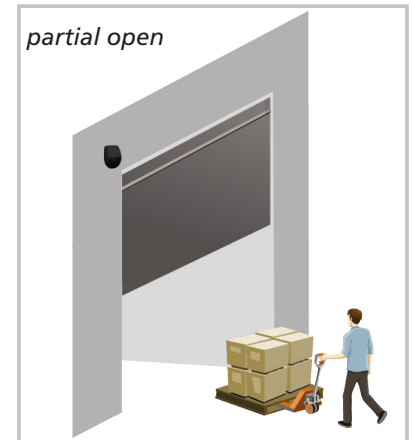
- When a pedestrian is detected, the LZR-WIDESCAN will send a command to your door's partial-open input.
- When a larger or taller vehicle is detected, the LZR-WIDESCAN will send a command to your door's full open input.

### INSTRUCTIONS

If your application requires the door to only partially open for pedestrian traffic, but fully open for larger vehicles or forklifts, use the following instructions to configure the LZR-WIDESCAN to achieve this.

Note: Door control must have a partial-open input.

1. Program the outputs of the LZR-WIDESCAN:
  - a. Set Output 1 Function to "Motion+ & Height" (or Output 2 to "Presence & Height").
  - b. Set Relay Function to "Motion or Pull Cord."
2. Program the settings for the related fields:
  - a. Set Motion field Width, Stop, and Start according to application.  
Note: Detection usually occurs closer to the door when using the Height Trigger function.
  - b. Set Motion field Object Size to "Any."
  - c. Set appropriate height limit for Height Trigger function (i.e. objects shorter than displayed dimension will be ignored).
3. Connect the sensor outputs to the door control.
  - a. Output 1 (or Output 2 if you used Presence + Height) wires to the full-open input of your door control (see right, bottom)
  - b. Relay wires to the partial-open input of your door control (see right, top)



#### BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or incorrect adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor/device outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor/device system performance is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer's recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107, UL294, UL325, and International Building Code).

Verify that all appropriate industry signage, warning labels, and placards are in place.

