BEA

Learn time functionality resolves maintenance challenges in confined hallway

BEA Division - Industrial Automation Solutions

Industry Market - High Performance Doors

BEA Customer - Star Equipment Inc.

BEA Product(s) - LZR®-WIDESCAN; motion, presence and safety sensor for automatic industrial doors

STAR
EQUIPMENT, INC.

INTRODUCTION

Serving Minnesota for over 25 years, Star Equipment focuses on providing complete safety solutions. With expertise in warehousing, loading dock equipment and commercial doors, the team utilizes its industry knowledge and technical know-how to solve challenges revolving around safety and energy efficiency.

THE CHALLENGE

Facilities with confined hallways have challenges not only with traffic but stationary objects as well. At this facility, maintenance uses designated areas for storage bins near the high-performance doors. Due to the location of the storage bins, the sensor field extends beyond them leading to unnecessary door activations and energy consumption. Every time the bin is moved or rearranged, the sensor recognizes the change and tells the door to remain open.

THE SOLUTION

With the LZR-WIDESCAN, you can program each motion, presence and safety detection area with specific functions. One of the functions for the presence and safety zone within the LZR-WIDESCAN is Maximum Presence Time (also known as learn time). Learn time enables the sensor to recognize an object in the detection zone and tell the door when it is okay to begin closing.

To reduce how long the high-performance door remains open, Star Equipment programmed the presence detection zone with a 30-second learn time. This setting will tell the high-performance door to open but, as long as the storage bins remain in place, the door will begin to close after 30 seconds.

THE RESULTS

Maximum Presence Time gives the door a command based on the environment. So, the facility will no longer experience constant or prolonged door openings which in turn can reduce energy consumption.

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