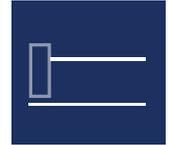


LZR[®]-H100



BEA's LZR-H100 is a laser-based time-of-flight sensor designed for gate and barrier applications. This solution provides four laser-based curtains, offering a three dimensional detection zone for accurate object detection. Its detection curtains are highly-configurable and can be set up for opening, securing and presence detection in vehicle sensing applications.

The LZR-H100 is an effective alternative to induction loops in locations where cutting into the ground is inconvenient, restricted or expensive. The sensor is housed in a NEMA 4 rated enclosure, further ensuring its performance in outdoor environments.

▼ KEY APPLICATIONS



GATE & BARRIER PRESENCE DETECTION



PEDESTRIAN PRESENCE DETECTION



GATE & BARRIER ACTIVATION

▼ SOLUTION COMPARISON

Specification	LZR-H100	Induction Loops & Detectors
Technology	LASER, Time-of-flight	Inductance
Method of detection	Presence	Presence
Power supply	10 – 35 VDC	Specification varies by make and model
Degree of protection	NEMA 4 / IP65	IP40
Number of relay outputs	2	1 or 2
Detection range	max. 9.6 m x 9.6 m (32 ft x 32 ft); pattern can be adjusted via remote control and configured for two-loop functionality	Size varies; individual loops must be cut based on desired pattern
Functionality		
Ability to install without cutting concrete / above ground	Yes	No
Ability to detection pedestrians	Yes	No
Ability to reject cross-traffic	Yes	Requires additional loop(s)
Ability to detect motorcycle, mopeds and bicycle	Yes	No
Ability to reconfigure	Yes, adjustable via remote control	Requires new / additional loop installation
How to adjust	Remote Control	Potentiometers / Dip Switches
Installation		
Cost of installation	\$500 – \$1000	\$1200 – \$2000
Average installation time	1 –2 hrs	4 –6 hrs (plus 12 –24 hrs cure time)
Key applications	Vehicle Directionality Sequencing Pedestrian Presence Detection Gate & Barrier Presence Detection Gate & Barrier Activation	Vehicle Directionality Sequencing

▼ PRODUCT SERIES & ACCESSORIES



10LZRH100
HORIZONTAL LASER
SENSOR



10LBA
LZR MOUNTING
BRACKET



10REMOTE
UNIVERSAL REMOTE
CONTROL



10BR3X
3-RELAY LOGIC
MODULE



10PSMDR2024
100 – 240 VAC /
24 VDC POWER
SUPPLY



**10FALCON
SERIES**
MOTION SENSORS



**10MATRIX
SERIES**
LOOP DETECTORS