



APPLICATION NOTE

LZR-microscan T Y-Harness (10MICROSCAN-Y)

This Application Note applies to the following BEA Products: **LZR-MICROSCAN T**

This harness kit is intended for use with glass or fire-rated doors, allowing sensor installation without the requirement of a wire passage hole through the door.

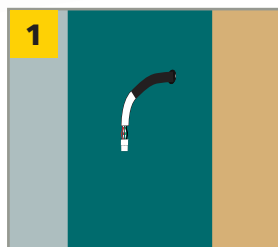
KIT COMPONENTS:

DESCRIPTION	PART NUMBER
Y-Harness Application Note	78.6008
LZR-Microscan T Fire-Rated Mounting Template	75.5924
Y-HARNESS	20.5320
FLEXIBLE DOOR LOOP	70.0202
JAMB CAP KIT	55.0001

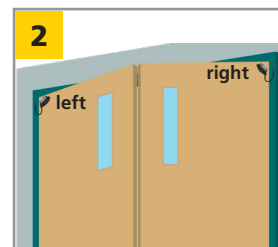


INSTALLATION: Refer to User's Guide 75.5753 for installation instructions.

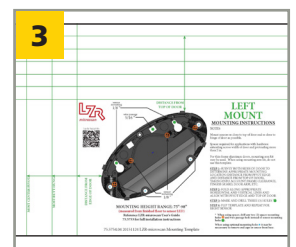
- > **SKIP SENSOR PREPARATION** section!
- > **SKIP SENSOR INSTALLATION** section!
- > **Use the instructions provided here for sensor mounting when utilizing the Y-harness.**



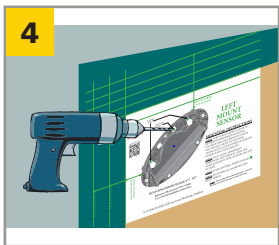
1 Drill 1/2" passage holes in the header and jamb of both sides of the door. Route "Y" harness.



2 Sensors are "handed." Determine if the sensor you are installing is right-handed or left-handed.



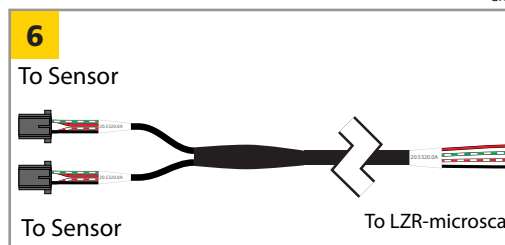
3 Use the left and right Mounting Templates (75.5924) to position each sensor correctly. Check for obstructions/clearance.



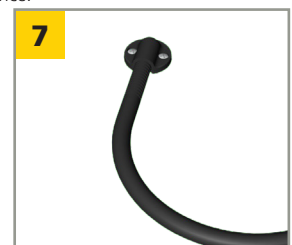
4 Align Mounting Template, and then mark and drill two 1/8" holes.¹ Repeat on both sides of door. Be sure to drill the correct size holes. **DO NOT DRILL WIRE PASSAGE HOLE!** For glass doors, use preferred adhesive.



5 Using instructions on Mounting Template, mount sensors with appropriate screws. **DO NOT APPLY COVERS UNTIL SYSTEM IS FULLY OPERATIONAL.**



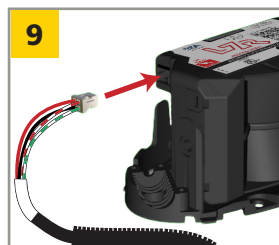
6 Run Y-harness through door frame into header and out of each wire passage hole in jamb. **Y-harness must be run through door frame prior to inserting it through door loops and plugging into sensors.**



7 For each door, cut door loop to shortest length to avoid loop in detection zone. Slide harness into door loop.



8 To accommodate the Loop, remove the Blank Endcap closest to door hinge.²



9 Route "Y" Harness through Door Loop and plug into sensor at closest port.



10 Affix Door Loop to sensor with Pass-Through Endcap and three (3) screws.³



11 Install Door Loop end cap.



12 Repeat steps 1 – 11 on other side of door.

NOTES:

1. Spacer required for applications with door hardware extending across width of door. **DO NOT** drill the wire passage hole through the door. Each sensor requires its own door loop with final connection to the "Y" cable inside the operator housing.
2. For left sensor, remove left Blank Endcap **OR** for right sensor, remove right Blank endcap.
3. Pull extra "Y" Harness slack through Door Loop (away from sensor) before tightening endcap screws.