MONITORED
SENSING SOLUTIONS FROM BEA
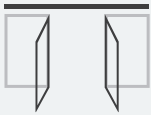
External Monitoring

Ensures communication between the sensor and the control. Disturbances / Inconsistencies in this communication will cause the door system to go into fault mode.

Internal Monitoring

A standard monitoring routine ensures proper functionality of key components and, if performance is compromised, places the sensor into a fail-safe / fail-secure mode.

Effective monitoring improves automatic door performance and reliability while decreasing liability.

ANSI 156.10 SWING DOOR SAFETY SENSOR SOLUTIONS

SWINGING DOOR

LZR®-microscan T	Bodyguard-T	SuperScan-T
Door-mounted presence sensor (standalone)	Overhead-mounted presence sensor	Door-mounted presence sensor
• Visible monitoring LED indicates connection between sensor and door control • Fully-monitored internally, capable of external monitoring • ***BEA's recommended swing door safety sensor***	• Overhead-mounted sensor, must be used with door-mounted presence sensor • Visible monitoring LED indicates connection between sensor and door control • Fully-monitored internally, capable of external monitoring	• Door-mounted sensor, must be used with overhead-mounted presence sensor • Capable of external monitoring

ANSI 156.10 SLIDING DOOR SAFETY SENSOR SOLUTIONS

SLIDING DOOR

| IXIO-DT1	IXIO-DT1V	IXIO-ST

Overhead-mounted motion and presence sensors

• Intelligent programming, setup and troubleshooting via menu-driven LCD
• Visible monitoring LED indicates connection between sensor and door control
• Fully-monitored internally and capable of external monitoring
• ***BEA's recommended sliding door sensor for safety and activation (IXIO-DT1 / IXIO-DT1 V)***

Presence sensor monitoring is not required on door control systems installed prior to the publication of the revised ANSI 156.10 standard. For new installations, presence sensor monitoring is required as of November 11, 2017. BEA's pedestrian safety sensors work with both monitored and non-monitored (grandfathered) door controls. Contact BEA if products for these systems are needed.
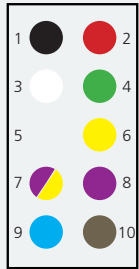
VISUAL DIFFERENCES BETWEEN MONITORED AND NON-MONITORED PRODUCTS

BODYGUARD III vs BODYGUARD-T

- <u>DIP SWITCH</u>: BODYGUARD-T has DIP switch, BODYGUARD III does not
- <u>WIRING HARNESS</u>: BODYGUARD-T has added purple wires in wiring harness
- <u>PART NUMBER</u>: 10BODYGUARDIII (non-monitored), 10BODYGUARDT (monitored)
- <u>SERIAL NUMBER</u>: (500001157484 +)
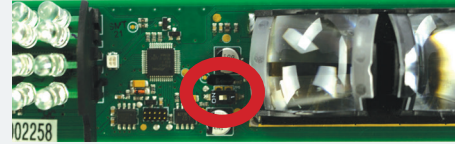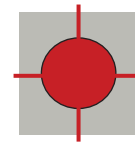

DIP switch on monitored BODYGUARD-T

IXIO FAMILY

- <u>FUNCTION</u>: product may be tested by applying power, set to Monitoring mode, and observe LED (should be blinking red)
- <u>PHYSICAL</u>: no visible changes
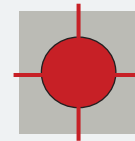- <u>SERIAL NUMBER</u>: (5-595268 – 5-596371, 5-596468 +)

LED blinking red

LZR-MICROSCAN vs LZR-MICROSCAN T

- <u>PART NUMBER</u>: Check label for part number – if a "T" is present in part number, it is a monitored product
- <u>FUNCTION</u>: product may be tested after installation and set-up by setting Monitoring mode to ON, and observing that the LED is blinking red
- <u>PART NUMBER</u>:

| OLD	NEW
10MICROLEFT / 10MICRORIGHT	10MICROLEFTT / 10MICRORIGHTT
10MICROSCANHUB	10MICROSCANHUBT
10MICROSCAN1 / 10MICROSCAN1U	10MICROSCAN1T / 10MICROSCAN1UT
10MICROSCAN2 / 10MICROSCAN2U	10MICROSCAN2T / 10MICROSCAN2UT

- <u>SERIAL NUMBER</u>:

    LEFT: 999344012978-999344013037, 999344013050, 999344013052, 999344013054, 999344013055, 999344013060, 999344013061, 999344013068+

    RIGHT: 999345012918-999345012977, 999345013008, 999345013009, 999345013012-999345013016, 999345013018, 999345013020, 999345013022+

LED blinking red

SUPERSCAN vs SUPERSCAN-T

- <u>JUMPERS</u>:
    - ◊ Jumper J1 has changed from 5-pin to 3-pin
    - ◊ If jumpers J3 and J4 are not included on the board, it is a non-monitored product
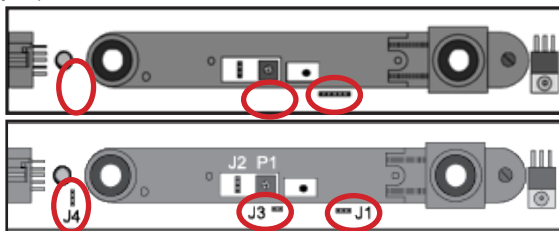
non-monitored SuperScan PCB

monitored SuperScan PCB

- <u>PART NUMBER</u>: Check label for part number – if a "T" is present in part number, it is a monitored product
- <u>FUNCTION</u>: product may be tested by applying power, remove jumper J3. The green LED should be OFF, and the sensor becomes inactive.
- <u>SERIAL NUMBER</u>: (555000001001 +)