

BoundaryShield Battery Powered Wireless IR Beams



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Product Overview

The BoundaryShield range of Wireless Active Infra Red Beams enable fast, flexible installations with low maintenance and costs.

Luminite battery powered wireless Active IR beams are fitted with Genesis transmitters and are compatible with all Luminite Genesis wireless products enabling long range communication up to several kilometres. The combination of active IR and wireless communication makes this an ideal solution for large circumference perimeter detection.

Active beams come in two detection ranges (60 metre & 100 metre) and with either fixed or adjustable frequency control to avoid cross talk between beams.

Both the 200 and 350 types of beams may be used as Stand Alone or mounted inside a tower by detaching the transmitter and battery enclosure.

Long battery life is achieved by specialised low power circuitry and the use of Lithium batteries. Low battery warning is transmitted to the receiver which can then be indicated locally or remotely by email alert or via the ARC. Wireless communication is secure and robust by way of polling and rolling codes.

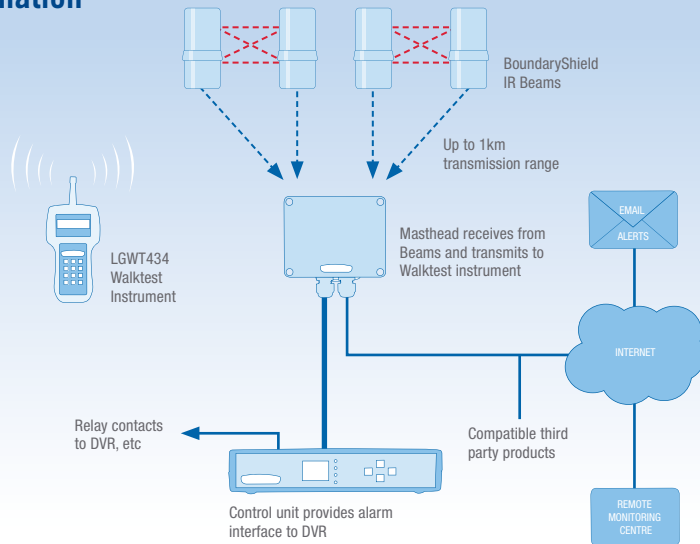


Specifications

| | BSAX200TFRL | BSSL350QNRL | BSSL350QFRL |
|---------------------------|--|--|-------------|
| Maximum detection range | 60m | 100m | |
| Transmitter frequency | 434.525Mhz 10mw | 434.525Mhz 10mw | |
| Transmission | 1km | 1km | |
| Detection method | Infrared beam interruption detection | Quad infrared beam interruption detection | |
| Selectable beam frequency | 4 Channel | Fixed | 4 Channel |
| Interruption time | Variable between 50/100/250/500ms (4 steps) | Variable between 50/100/250/500ms (4 steps) | |
| Power source | 3.6V, 13.0Ah: (4) LSH20 lithium batteries manufactured by SAFT | 3.6V, 13.0Ah: (4) LSH20 lithium batteries manufactured by SAFT | |
| Current draw | 810µA Transmitter: 490µA + Receiver: 320µA (at 25°C, 3.6VDC) | 745µA. Transmitter: 420µA + Receiver: 325µA (at 25°C, 3.6VDC) | |
| Battery life | Transmitter: Approx 3 years Receiver: Approx 5 years | Transmitter: Approx 4 years. Receiver: Approx 5 years | |
| Alarm output | Transmitted | Transmitted | |
| Alarm period | 2 sec (±1) (Nominal) | 2 sec (±1) (Nominal) | |
| Tamper output | Transmitted | Transmitted | |
| Low battery output | Transmitted | Transmitted | |
| Low battery indicator | LED | LED | |
| Operating temperature | -20°C - +60°C (-40°F - 140°F) | -20°C - +60°C (-40°F - 140°F) | |
| Alignment angle | ±90° Horizontal, ±10° Vertical | ±90° Horizontal, ±10° Vertical | |
| Ingress protection | IP54 | IP54 | |



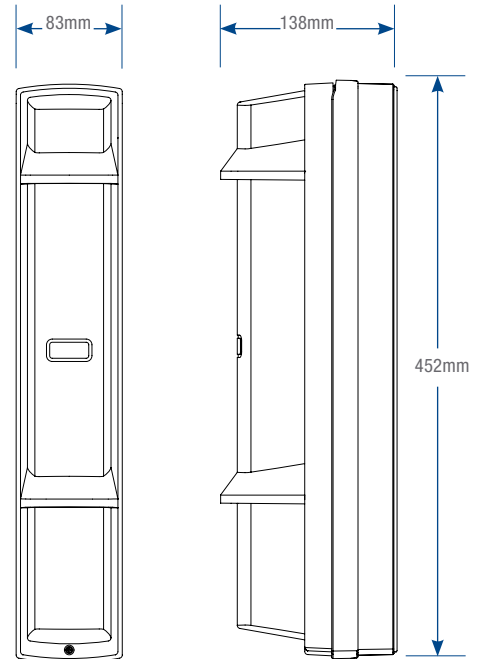
Installation



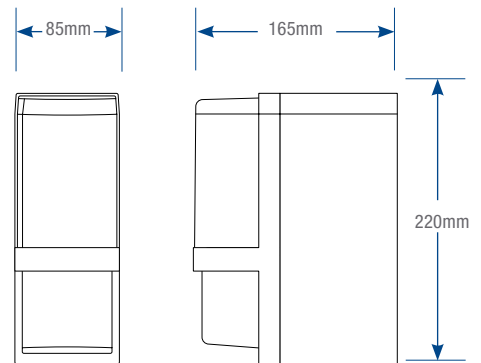
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Dimensions

BSSL350QNR/L/QFRL



BSAX200TFRL



For Use With BoundaryShield



LGMT434
Genesis Masthead Receiver



LGIP MT434
Genesis IP Masthead Receiver



LGMRU4x4
Masthead Receiver
with Relays



LGWT434
Walk Test Instrument



LGRU16 Relay Unit
16 Alarms & 16 Tamper



LGRU16ELR Relay Unit
16 Alarms & 16 Tamper

For more information see separate datasheets

Accessories

BSAX-WMT
Single sided wall mount 1.7m beam tower. Will accept two beam heads in any combination.



BSAXBT
Double sided free standing 1.7m beam tower. Will accept four beam heads in any combination.



BSTF
Tower base
For use with the BSAXBT tower when the ground is soft.



LSH20
SAFT battery. 3.6 volt D Cell for use with Boundary Shield wireless beams. Two batteries required per beam

BSMP4
Mounting kit for BSAX200TFRL beams only. Not required for the BSSL350 beams.

