

**Product Description :**

Lightning Strike Recorder (LSR) is a lightning event counter. The LSR is simply mounted at any location along the downconductor route. It's purpose is to record the number of strikes captured by the lightning terminal and conveyed by the downconductor.

The LSR operates by sensing current by means of an inductive pick up loop. The loop passes along the inside surface of the bottom of the enclosure. With the voltage impulse detected by the current transformer (CT) a trigger to the pulse counter then turns the counter over to register the event. The Recorder is mounted in a polycarbonate enclosure rated IP67. No external connections are required. Completely waterproof and may be mounted in any position indoor or outdoor.

**Technical Data :**

Description	: Lightning Strike Recorder for lightning strikes or transient events
Ordering code	: LSR II
Current sensitivity	: 1000A 8/20 $\mu$ s impulse
Operating range	: Min 1000A, max > 220kA 8/20 $\mu$ s
Display	: Mechanical 6 digits display (not re-settable). Each digit 0-9. Max reading 999999
Dimensions	: 80mm(B) x 82mm(H) x 65mm(D)
Mounting	: Adjustable stainless steel cable ties to accommodate a cable up to 40 mm dia. cable or 50mm x 5 mm flat tape
Weight	: 0.4Kg
Construction	: Polycarbonate enclosure, clear lid IP 67 rating (IEC 529)
Colour	: Light grey
Operating Temperatures	: -15°C to +65°C

**Warranty :**

This product is guaranteed to be free from materials and workmanship defects for a period of 5 years from the date of shipment from the manufacturer. This warranty does not offer any cover for consequential damage, loss of operation or loss of profit.

The Lightning Strike Recorder (LSR II) can be installed at any location on the down conductor route between the air terminal and the earthing system. Where possible avoid installing LSR II in a position where it is exposed to direct sunlight, this can be achieved by installing the LSR II in a suitable mounting cabinet.

Using a screw driver, fully release both clamps and pass both ends of the clamps behind the down conductor and place back into the clamp mechanisms. Tighten the clamps until the LSR II sits firmly.  
**DO NOT OVER-TIGHTEN.**

The LSR should be mounted in line with the down conductor as shown below.

If using flat down conductor use the plastic spacer provided as per the photograph below.

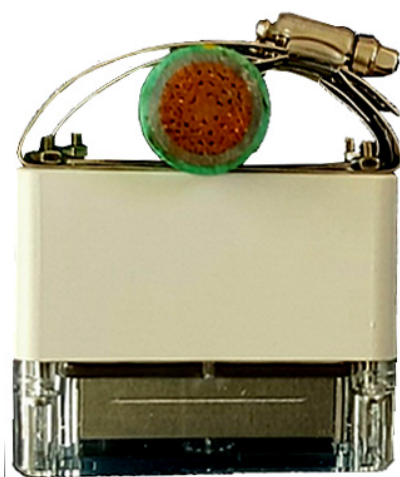


Figure 1: Mounting of LSR on Cable down conductor

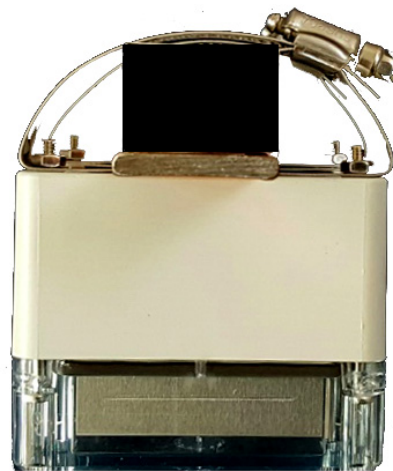


Figure 2: Mounting of LSR on flat down conductor

## **Warranty**

This product is guaranteed to be free from materials and workmanship defects for a period of 5 years from the date of shipment from the manufacturer.

As lightning is a natural event containing unpredictable energy levels 100% protection is not guaranteed. These energy levels may exceed the product rating in this case the manufacturer's liability is limited to repair or replacement at the manufacturer's discretion.

This warranty does not offer any cover for consequential damage, loss of operation or loss of profit.