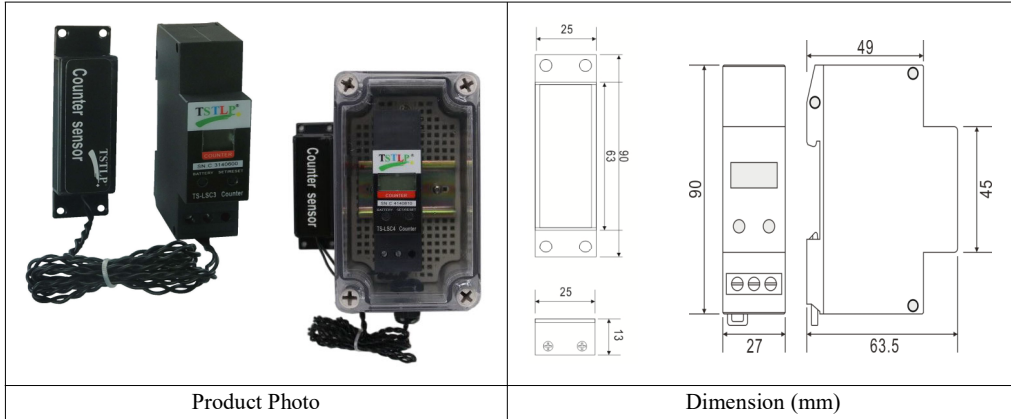




■ TSTLP®/TS-LSC series lightning counter with flat Sensor

- ❖ **INTRODUCTION:** TS-LSC series lightning counter is designed for easy mounting on a down conductor to effectively count the number of lightning strikes captured by the TSTLP® ESE Lightning Rod or Surge Protectors. It measures lightning strikes by the induction of current and does NOT require the use of any external power source.



❖ TECHNICAL DATA

TSTLP® Model Nr	TS-LSC3	TS-LSC4
Power Supply	3V battery, Type CR123A, Exchangeable	
Min count current	> 1kA, rise time 8~10μs. (> 0.5kA OK as additional request)	
Sequence of impulse	> 1s	
LCD indicator	3-digit(0~999)	4-digit(0~9999)
Inductive line	1m long Twisted-pair	
Service life of battery	≥ 2 years (Do NOT pull the Insulated part before use)	
Enclosure material	Black thermoplastic, UL94-V0	
Installation	Mount on 35mm Din rail or inside waterproof box	
Dimension	1.5 mods	
Compliance	CE(EMC, LVD & RoHS)	

❖ MAIN CHARACTER

- ✓ 3-digit & 4-digit Display (0~999 & 0~9999).
- ✓ Connect THE Sensor very closely with down conductor or earthing wire/cable.
- ✓ Press the button “BATTERY” continuously, if display “HI”, it means the battery’s power is adequate, If display “LO”, meaning that the battery’s power is inadequate, the battery should be replaced.

INSTALLATION INSTRUCTION

TS-LSC lightning counters should be installed at a position along the down conductor(or PE Line) length where it can be accessed easily for inspection. Typically TS-LSC3 / TS-LSC4 should be installed approximately 2 m from ground level or alternatively within the earth pit at the lower termination point of the down conductor(copper cable).

When installing the TSTLP® lightning counters the following should be considered:

- Mounted away from areas where damage may occur due to theft,vandalism or nearby operations.
- Enclosed in a security enclosure but the display should be kept visible to allow for the checking of recorded strikes.

INSTALLATION DIAGRAM FOR REFERENCE



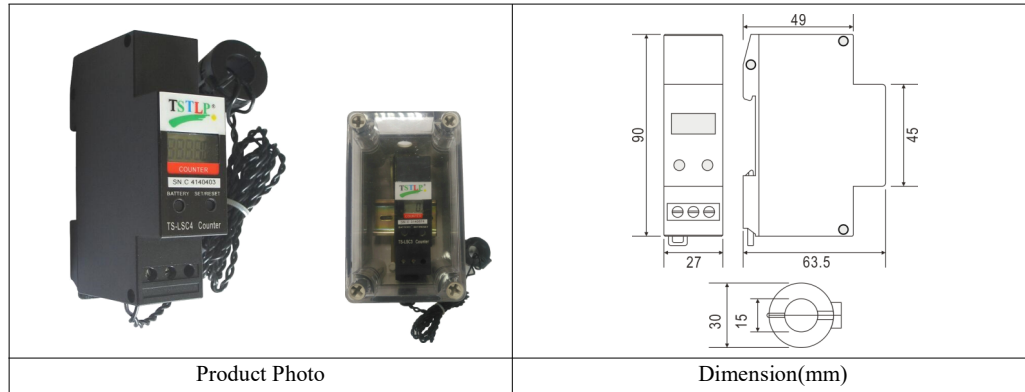
WARNING:

- 1 - The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
- 2 - It is recommended that installation should be done under power off condition.



■ TSTLP® TS-LSC series Lightning Surge Counter With Circular Ring Sensor

- ❖ **INTRODUCTION:** TS-LSC series lightning surge counter is designed for easy mounting on a down conductor to effectively count the number of lightning strikes captured by the TSTLP® E.S.E Air Terminals or Surge Protectors. It measures lightning strikes by the induction of current and does NOT require the use of any external power source.



❖ TECHNICAL DATA

TSTLP® Model Nr	TS-LSC3	TS-LSC4
Power Supply	3V battery, Type CR123A, Exchangeable	
Min count current	> 1kA, rise time 8~10μs. (> 0.5kA OK as additional request)	
Sequence of impulse	> 1s	
LCD indicator	3-digit(0~999)	4-digit(0~9999)
Inductive line	1m long Twisted-pair	
Service life of battery	≥ 2 years (Do NOT pull the Insulated part before use)	
Enclosure material	Black thermoplastic, UL94-V0	
Installation	Mount on 35mm Din rail or inside waterproof box	
Dimension	1.5 mods	
Compliance	CE(EMC, LVD)	

❖ MAIN CHARACTER

- ✓ 3-digit & 4-digit Display (0~999 & 0~9999).
- ✓ Inductive loop (feed through with the earthing line of surge protective devices or lightning rod)
- ✓ Press the button “BATTERY” continuously, if display “HI”, it means the battery’s power is adequate, If display “LO”, meaning that the battery’s power is inadequate, the battery should be replaced

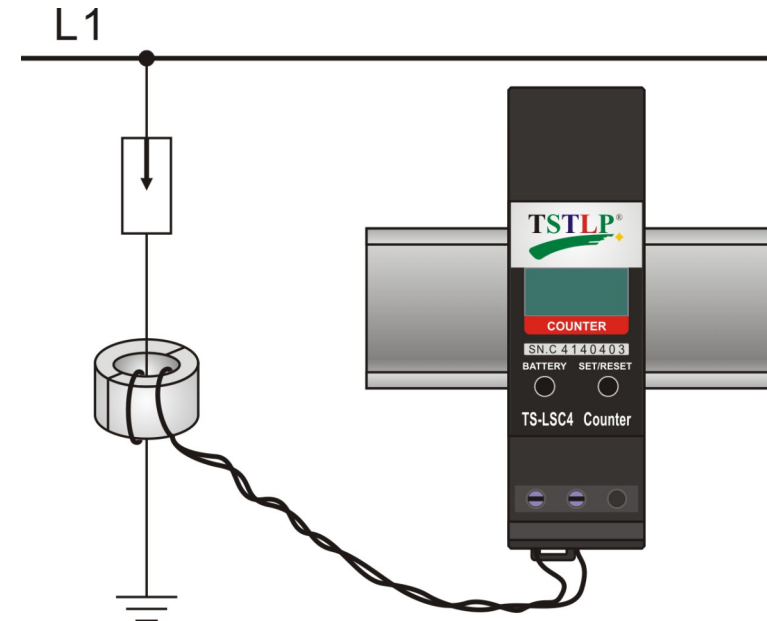
INSTALLATION INSTRUCTION

TS-LSC series lightning surge counters should be installed at a position along the down conductor(or PE Line) length where it can be accessed easily for inspection. Typically it should be installed approximately 2 m from ground level or alternatively within the earth pit at the lower termination point of the down conductor(copper cable).

When installing the TSTLP® Lightning Surge Counters the following should be considered:

- Mounted away from areas where damage may occur due to theft, vandalism or nearby operations.
- Enclosed in a security enclosure but the display should be kept visible to allow for the checking of recorded strikes.

INSTALLATION DIAGRAM FOR REFERENCE



WARNING:

1. The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
2. It is recommended that installation should be done under power off condition.