

# Lightning surge counter user's manual

## Function and application

This product is used for lightning current, transient pulse current counting and monitoring records in power lines or ground lines.

## Product Specifications

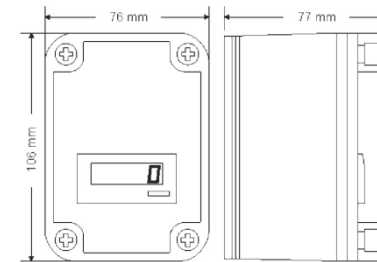
|                               |   |                       |
|-------------------------------|---|-----------------------|
| Product number                | ----                                    |                       |
| Test standards                | ICE 62561-6/NFEN62561-6                 |                       |
| Data collection type          | Back sensing                            |                       |
| Built-in battery life         | 3-5years                                |                       |
| Built-in battery type         | lithium battery                         |                       |
| Maximum count                 | 9999 9999 times                         |                       |
| Minimum count induced current | 500A                                    |                       |
| Maximum count induced current | 100kA                                   |                       |
| Wiring condition              | Wire                                    | 2.5-35mm <sup>2</sup> |
|                               | Tape                                    | 3*30mm                |
| Temperature ((humidity) range | -40° C...+80° C, relative humidity ≤95% |                       |
| Protection level              | IP65                                    |                       |
| Housing material              | PVC                                     |                       |
| Dimension                     | 106*76*77(With bracket)                 |                       |

## Installation instructions and maintenance

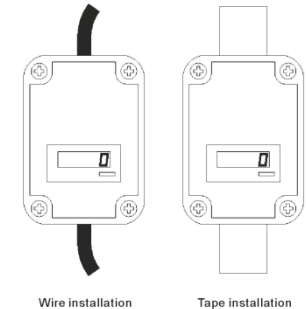
1. This product can be installed in the load current power line (L, N line) above 500A to monitor and record the surge voltage in the power line. It can also be installed in various surge protectors (SPD). Online, monitor and record lightning strikes (SPD) for lightning strikes.
2. the line that needs to be monitored must pass through the the back of the counter, no direction limited.
3. There is a RST clear button on the counter panel to clear the data as needed.
4. This product does not need to be debugged. It is in working state after general access. When the counter is not displayed (3-5 years later), the counter of the same specification can be replaced.



Dimensional drawing



Installation diagram



|                             |                 |
|-----------------------------|-----------------|
| Net weight / Gross weight : | 363 gr / 410 gr |
|-----------------------------|-----------------|

|  |                               |            |            |          |  |          |    |
|--|-------------------------------|------------|------------|----------|--|----------|----|
| Name   | <b>Digital Impact Counter</b> | No         |            | Tech     |  | Drawn    | DM |
|  |                               | Issue Date | 01/01/2019 | Weight   |  | Checked  |    |
|  <b>By Duval Messien</b> |                               | Modif.Date | 01/08/2019 | Material |  | Approval | DM |
|  |                               |            |            |          |  | Client   |    |