

Product Overview

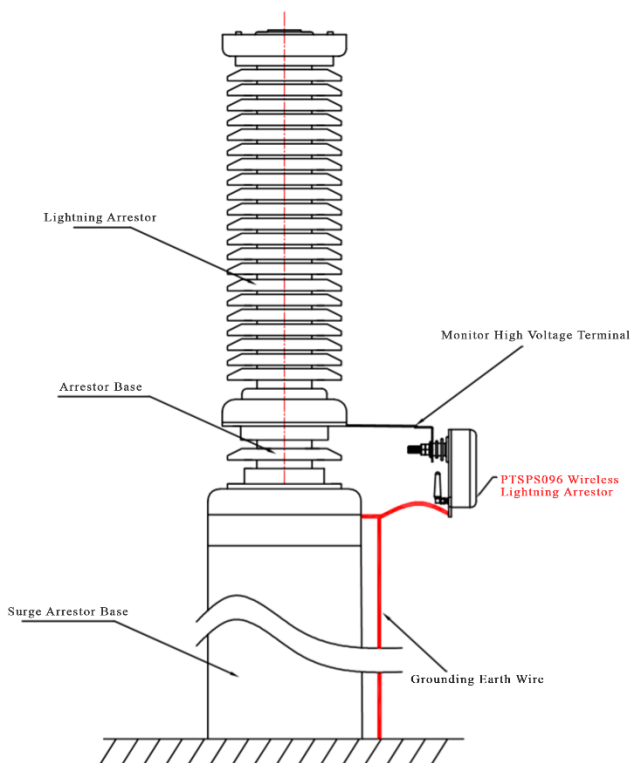
The PTSenR PTSPS096 lightning arrestor monitor (also known as the lightning trap leakage current and action recorder) is a high-voltage AC power system with zinc oxide lightning shock absorber matching the instrument, the instrument is threaded in the lightning trap ground circuit. The ammeter in the monitor is used to monitor the leakage current through the lightning arrester at the operating voltage, which can determine whether the inside of the lightning arrester is wet and if the components are abnormal. The action counter records the number of overvoltage movements of the lightning avoider.

Traditional monitors use pointer milliamp meters and mechanical counters to indicate leakage currents and lightning strikes, requiring regular manual inspections to view data. The SPS096 lightning shocker monitor uses a liquid crystal to display the current value of the current leakage, the value of the leakage current at the initial installation, and the number of lightning strikes, which is more intuitive to view. And this product has wireless data transmission function, can send real-time data wirelessly to the background, eliminating manual inspection.

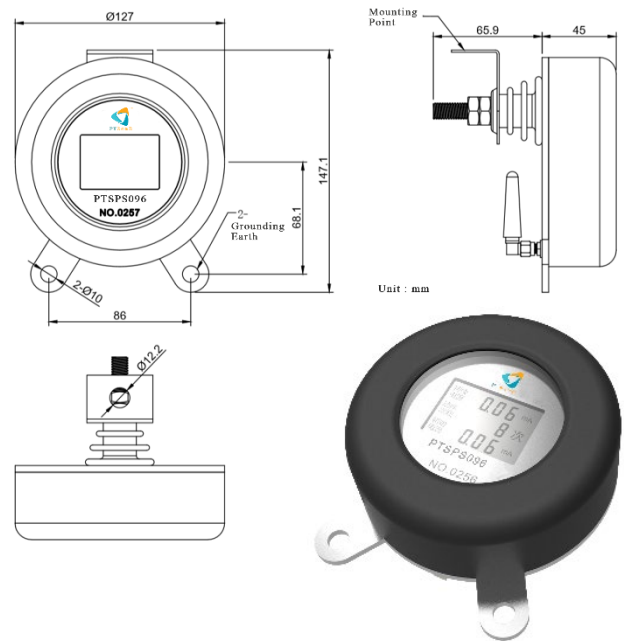
Application

A variety of transformers with lightning shock, transmission lines, switch cabinets, power metering boxes, vacuum switches, and other electrical equipment lightning strikes and leakage current on-line monitoring.

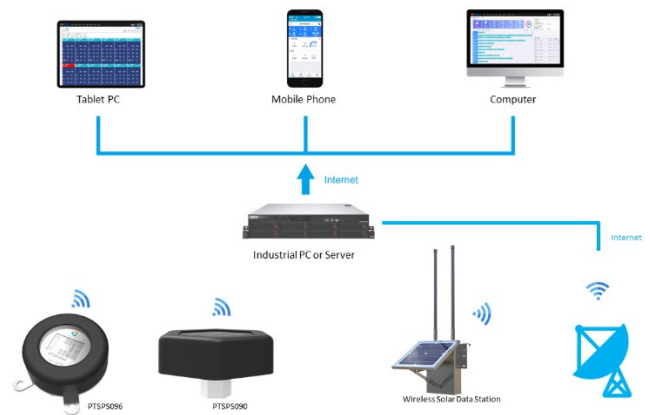
Installation



Dimensions



The System Architecture



Specification

Operation Supply	By lightning leakages current
Operating Current	50µA ~ 5mA
Operational Voltage	36kV ~ 500kV
Wireless Operating Bandwidth	433MHz, 2.4GHz
Transmission Power	10dBm
Wireless Transmission Distance	≤250meter (open space)
Relative Humidity (RH)	≤95%RH (non-condensing)
Operating Temperature	-20°C ~ 70°C
Altitude	≤4000m
Measurement Interval	60seconds
Protection level (IP)	IP67
Flame retardant grade	V0 (700°C 30 Sec)
Service life	≥10 years
Certification	CE – EN 61000-6-2:2005+AC, EN 61000-6-4:2007+A1:2011, EN 62366-1:2014+A11:2017

Ordering Information

Part Number	Product Description
PTSPS096	PTSenR Lightning Arrestor Meter and Counter