

# Surge Counter for AC

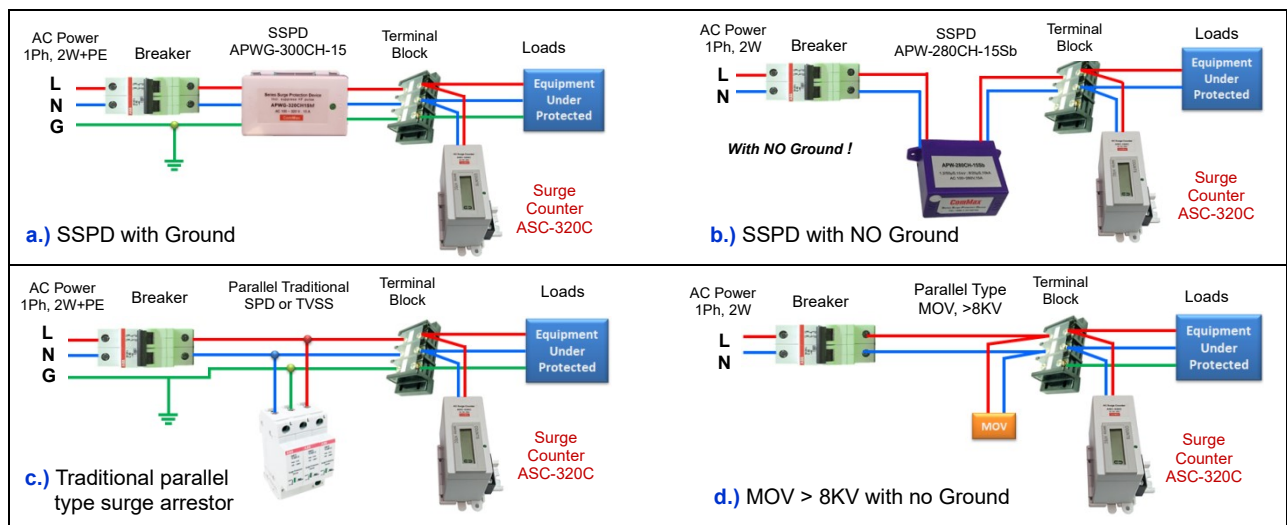
## ASC-320C



Operation with  
NO Ground

Surge Counter Model ASC-320C is sensitive Surge Counter for counting numbers of lightning strike and various types of transient high-voltage (or spike). ASC-320C are able to withstands 4KV/2KA combination wave surges, which means it equipped an ability of surge immunity equivalent to category B of ANSI C62.41 Standard.

The ASC-320C is recommended to be connected in parallel connected at downstream (or secondary side) of the AC line, protected by a series lightning and surge protector (SSPD) and/or a conventional parallel type lightning strike protector (or surge absorber or surge suppressor) protection, as shown below. To assist in the detection, investigation and display of the number of lightning and surges intruding into AC line, to demonstrate surges intrusion to power lines, or to show the severity of the intrusion of circuits by lightning strikes or various types of surges.



### Technical Specification

Model	ASC-320C
Max. AC Voltage Range	AC Single phase, 2 wires (L, N), 100V~320V , 50/60Hz
Recording Surge types	Lightning Flash Surge ; power switching surge ; Switching Inrush Current ; Electric Magnetic Pulse ; Series Spark Surge
Surge Withstand Capability*	4kV @1.2x50μs; 2KA @ 8x20μs (combination wave) , 2 times, 60 sec interval
counting activate pulses range	50 – 2000 A peak to peak
LED Indication / LCD Digits	Power ON/OFF / Count number display (max. 8 digits, zero resettable )
Remote signal	Output surge counting pulses for remote
Compliance standards	ANSI C62.41, cat. C, ANSI C37.90.1, IEC 61643-1, IEC 61000-4-4, IEC 61000-4-5
Operation temp. / Rel. Humidity	0°C ~ 55°C / 35% ~ 95% RH (non condensation)
Dimension/ Weight/ Exterior color	77/95L x 45W x 58H, mm (screw fixing) / 150 g / Black or White
Connection Application	Parallel connect to L1 - L2 , or L - N of AC power line
Housing / Installation	IP65 / Both DIN-rail and Screw fixing available

\* The Surge Counter may failure if suger amplitude higher than 4KV/2KA

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